Carla



PHOTONICS

A CAREER LAUNCHPAD

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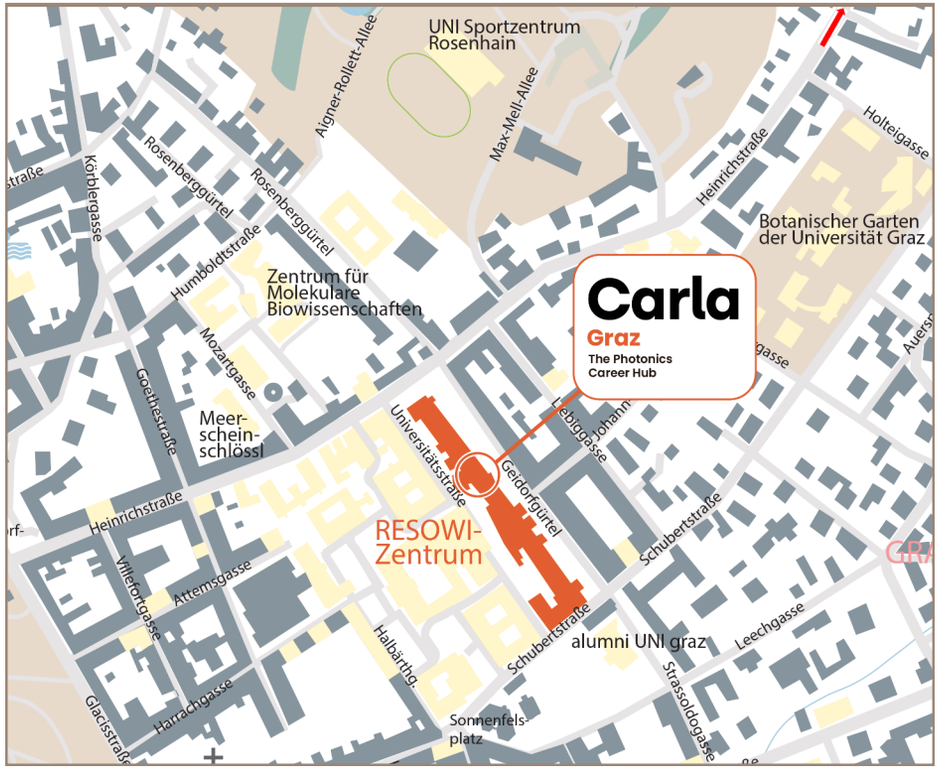
PHOTONICS21
PHOTONICS PUBLIC PRIVATE PARTNERSHIP

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 871457

Consortium

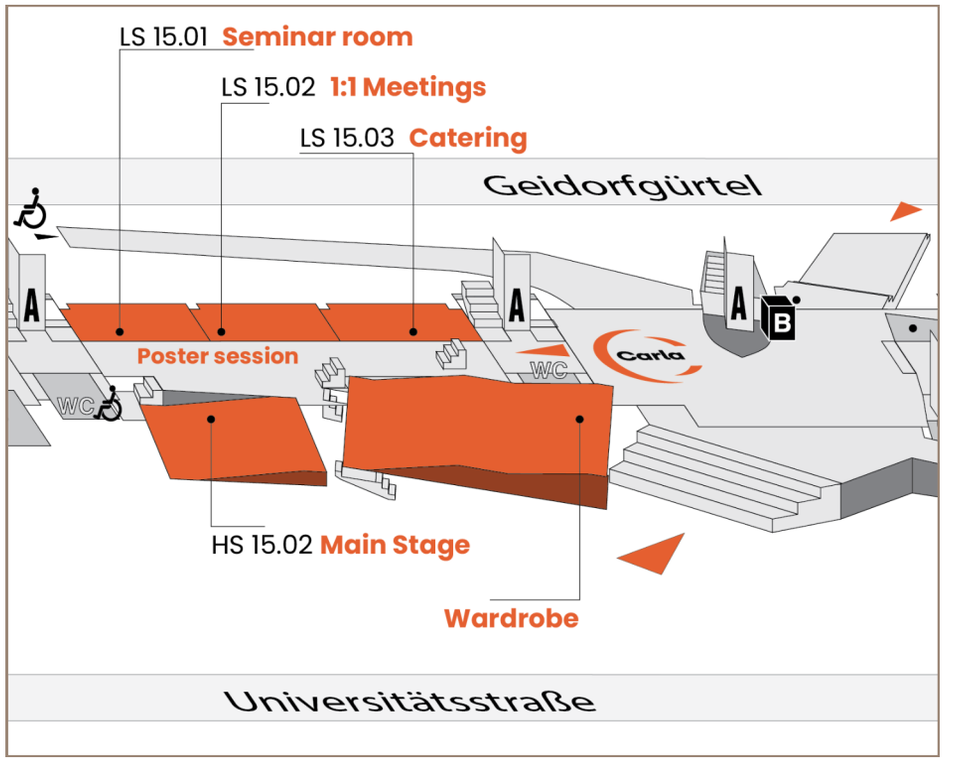
Coordinator ICFO · PHOTONICS AUSTRIA · MCI · POLITECNICO MILANO 1863 · INSTITUT D'OPTIQUE GRADUATE SCHOOL · Laser Centre · VUB B-PHOT BRUSSELS PHOTONICS · TU Delft · PhotonicSweden · secpho collaborate to innovate · SWISS PHOTONICS

Location.



RESOWI | Universitätsstraße 15 | Building Block C | 8010 Graz

Venue.



Access from Universitätsstraße or Geidorfgürtel



Carla Graz

The Photonics Career Hub

Dates.

21-23 September, 2022

Venue.

Karl-Franzens-Universität Graz
RESOWI-Zentrum, Bauteil C
Universitätsplatz 15
Graz, Austria

PHOTONICS AUSTRIA

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Audience.

STEM students and early stage researchers

Registration.

Register at
https://carla-graz-photonics-career-hub.b2match.io/
before 7 September 2022

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Partners

Consortium

Timetable

19 September 2022 — Joint Kick-off

14:00 Kick-off Event (online)
Joint Hackathon Carla & EIT Health iDays Austria

21 September 2022 — Academia

12:00 **Lunch Break**

12:45 **Welcome and Introduction**

12:55 **Key Note** - GreenTech and Photonics

13:45 **The Beauty and Potential of Structured Light**
University of Graz

14:15 **Self-starting optical Frequency Combs**
Vienna University of Technology

14:45 **Networking done right - Crash Course**
Joanneum Research

15:15 **IPCEI PhD and Internship Program**
Infineon Technologies

16:00 Petahertz (Opto)electronics
Graz University of Technology

16:40 Nano and Quantum Optics
University of Graz

17:20 Optical fiber based thermo-optic devices
University of Maribor

Nano Optics at University of Graz
Lab Tour, University of Graz

Smartphone controlled RGB Lamp
Workshop, Joanneum Research

Carla & iDays – Joint Hackathon

18:00 **Panel Discussion**

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EIT Health
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22 September 2022

Industry

9:00	**Laser - the most versatile Tool existing today** *Trumpf*		
9:30	**Applied Photonics in Lighting Technology** *Impuls talk*		
10:00	Successful Cooperation in transnational Projects *ams OSRAM AG*	How to: Raman and Fluorescence Spectroscopy *AiDEXA*	
11:15	Quantum Computing *Infineon Technologies*	Business Models for Start-ups *Graz University of Technology*	
12:00	PyzoFlex - a Success Story?...! *Joanneum Research*	International Internship in Industry *IAESTE Graz*	
12:45	**Lunch Break**		

Individual Networking Sessions

Carla & iDays - Joint Hackathon

Entrepreneurship

14:00	**Ceramic Data Solutions – Fail Fast & Pivot** Start-up Stories, *Ceramic Data Solutions*		
14:30	**Multi-Stimuli Responsiveness at high Resolution** Graz University of Technology		
15:00	Space QKD *qtlabs - Quantum Technology Laboratories GmbH*	Careers for Post Docs in Photonics *Photonics Finland*	
16:15	Business Model Canvas and first Steps towards your EIT Health iDays Austria 2022 Product *WILD Group*	Innovative Europe: added Value through Collaboration *Technology Scotland*	
17:00	How to Set-up your Start-up *Gründergarage*	No more Small Talk *Dale Carnegie*	
17:45	**Panel Discussion**		
18:30	**Poster Session** Dinner & Drinks	**Dinner**	

Individual Networking Sessions

Carla & iDays - Joint Hackathon

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23 September 2022

Innovation

9:00	**The way towards a PhD and beyond at Infineon** *Infineon Technologies*	
9:30	**About Optica (formerly OSA)** *Optica*	
10:00	Photonic, High-Tech and the Arts. Photonics and the Arts *AKEMI - Rethinking Light GmbH*	Job Profiles in Photonics (Mix & Match) *Silicon Austria Labs*
10:45	Green Tech Jam - Code and Concept for Green Tech *Green Tech Cluster*	Intellectual Property (IP) - a Showstopper? *Sonnenberg Harrison PartG*
11:20	From Light Bulbs to Lasers *Joanneum Research*	Open Innovation Ecosystem „Industry meets Makers“ *Industry meets Makers*
12:00	**Lunch Break**	
13:00	Designing Autonomous Driving with User Diversity in Mind Carinthia University of Applied Sciences	Funding opportunities for Start-ups in Austria *aws*
12:45	**Final Presentation and closing Remarks**	

Carla & iDays - Joint Hackathon

EIT Health iDays Austria (19 - 29 September)

Green Tech and Photonics Challenge
Development of Business Solutions - from Idea to Product

Joint Hackathon (21 - 23 September)

Prototype design for Green Tech and Photonics Challenge
In-person Mentoring, Business- and Tech- Experts
Hardware provided by ams OSRAM and Edmund Optics

Win 1,500 € in price money

All Sessions can be joined individually

Joint Hackathon.

General

This Hackathon has the overall topic „Green Tech and Photonics“. In the course of this event, participants will develop a business concept and a prototype that can be applied in the health sector.

Participants will be working in groups. Throughout the event, which is combined with the EIT Health iDays, several mentoring sessions will be held to support the development of a business plan. The Hackathon itself will take place at the University of Graz. Participants can access the Hackathon room from Wednesday, 21 September, to Friday, 23 September, to create their prototypes.

Sensors, components, tools and devices for your prototype will be provided. Mentors will be present for the duration of the event and assist when needed. Participants do not have to be present for the entire duration of the Hackathon, they can individually choose if and when they would like to work on their prototypes.

Please bring your laptop to the event!



21.09.2022 - 23.09.2022
Physics Institute

Components

The center piece of all components is the **D1 Mini** microcontroller. The board can be programmed with the Arduino IDE which enables easy and fast creation of IoT devices.

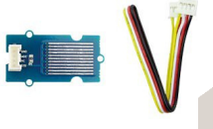
The **SENS COLOR** measures color using its red, green and blue sensitive photo diodes and provides a digital RGB value.

The **GRV PIR MOTION** is a simple to use motion sensor signalling the presence of a moving warm object.

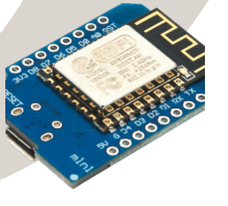
The **TEMP HUM** measures relative moisture and temperature and translates them into digital numbers.

The **Light sensor module** uses a light dependent resistor to detect the intensity of light in the environment.

The **Ultrasonic Sensor** is a non-contact distance measurement module similar to car parking sensors.



Water Sensor



Microcontroller
D1 Mini



Color LCD,
240×240 pixels

21.09.2022 - 23.09.2022
Physics Institute

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Joint Hackathon

Components

The **Water Sensor** detects the presence of water.

The **Loudness Sensor** measures the loudness of environmental noise.

The **SOUND AMP1** delivers up to 2.5 watts for speakers with 4-8 ohms impedance. Loudspeakers are provided as well.

The **LCD240×240** is a color LC display module with a diagonal of 1.3 inches (3.3 cm).

SERVO is a servo motor which can be controlled by the D1 Mini.

For further information view our event website:

https://carla-graz-photonics-career-hub.b2match.io



AS7421 Eval Kit

Components

Supported by ams OSRAM Group

The **AS7331** is a low-power, low noise integrated UV sensor.

The **ams AS7341** is an 11-channel spectrometer.

The **ams AS7343** is a 14-channel highly versitile, multi-purpose spectral sensor.

The **AS7421** is a 64-channel near infrared digital spectrometer for spectral identification and spectral footprint analysis used in mobile devices.

Supported by edmund optics

Edmund optics provides **various optical lenses** for this year's hackathon.



AS7331 sensor

WILD

i-DAYS 2022

eit Health

Co-funded by the European Union

WILD, a pioneering Austrian partner in the EIT Health network and organizer of the EIT Health iDays Austria

As an Austrian pioneer member in the EIT Health Network, WILD collaborates in innovation projects that can quickly achieve market maturity thanks to its bundled expertise.

For almost three years now, WILD has been a partner in the EIT Health network, which brings together high-calibre organisations from industry and research, as well as universities and entrepreneurs. Of the network's three pillars, "Education – Business – Innovation", the latter is of particular interest for the systems partner.

The WILD Group has access to the right networks to allow it to plan the future with its customers today.

New topics and technologies are emerging at an ever-quicker pace. At the same time, innovation is happening more and more at the interface between different disciplines. Just like the WILD Group, anyone who wants to stay ahead of these changes must maintain a close collaboration with the best minds across corporate and institutional borders. Being an experienced technology partner, WILD contributes a solid foundation, has acted as a network hub coordinating innovation processes for years and also offers valuable insights into different markets.

The networks created in recent decades are as diverse as the industries of WILD's customers: ranging from the WILD Integrated Network, launched by the company itself, to various different clusters and the EIT Health Network. As a pioneer member, WILD actively contributed to the establishment of the regional innovation hub EIT Health Austria, in Vienna, starting as a strong cluster of 17 partners in 2022 to collaboratively innovate, co-create and validate new healthcare solutions from prototypes to healthcare delivery.

As partner of the EIT Health network, WILD is joining forces to transform the European health sector toward value-based healthcare.

Ensuring a constant stream of innovations and being close to the customer and the patient to improve treatments while reducing the costs for the health system: more "value" is seen as the key to more success in medicine.

"Therefore, we already collaborate with medical technology companies today to anticipate what lies ahead of us in three years' time. This head start helps cut costs, since we can thus avoid abrupt transitions and a steep learning curve and can accelerate the development of future projects", says Business Developer Daniel Pressl.

EIT Health iDays Austria 2022
Which product can have a positive impact on our environment, our health and our lives in the future? WILD is pursuing these question together with established enterprises and also with tomorrow's engineers and decision makers. At the EIT Health iDays students from all academic areas receive an introduction to practical health innovation tools and compete in teams to tackle real-life health challenges posed by EIT Health, local organisations, private corporations, or start-ups. Together, they identify innovative and value-oriented solutions and devices and present these to a top-class jury. The winning team of each iDay will attend the Winners' Event, a final competition that unites students from around Europe.

Timetable

19.09.2022: Joint Kick-Off of CARLA Camp Graz and EIT Health iDays Austria (virtual)
20.09.2022: First EIT Health i-Days Sessions (virtual)
21. - 23.09.: CARLA Camp Graz and EIT Health iDays Joint Hackathon, in Graz
07. - 09.11.: 2nd wave of EIT Health iDays Sessions (virtual)
10.11.2022: EIT Health iDays and CARLA Camp Graz Finale (virtual) - WIN 1.500,00 Euro in price money and get a chance to be invited to the iDays 2022 Winners Event, to be held in one of the great capitols of Europe (tba).

What it's about

🚀 This year's EIT Health iDays Austria 2022 topic will be Green Tech and Photonics

🧠 One of the main goals when thinking about improving healthcare must be to ensure healthy lives and promote well-being for all at all ages.

💡 This year the EIT Health iDays Austria and participating students and partners will work on Green Tech challenges, searching for innovative solutions and technologies, such as Photonics, that shall help reach the following Sustainability Development Goal:

"By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water, and soil pollution and contamination."

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Key Note - Green Tech & Photonics

Introduction

- Welcome and Introduction
- Key Note Part 1: Green Tech and Photonics
- Key Note Part 2: ams OSRAM - Sensing is LIfe

Speaker

- Joachim Kren, University of Graz
- Michael Wurzinger, Photonics Austria
- Daniel Pressl, WILD Group
- Thomas Brudermann, University of Graz
- ams OSRAM

Wednesday, 21 September 2022 - 12:45
Main lecture hall

The Beauty and Potential of Structured Light

Abstract

Electromagnetic waves are defined by intrinsic parameters like polarization, amplitude and phase playing a pivotal role in many light-based technologies. Interestingly, they also can be sculpted spatially. The resulting bespoke field patterns find a wide range of applications in communication, sensing, and imaging. However, the real beauty of structured light becomes apparent when considering spatially strongly confined electromagnetic fields. These nano-engineered light fields can be utilized to study the nanoworld, extending the range of possible applications and enabling advanced spectroscopy, nanoscale traffic control, nano-metrology, etc. In this talk, we highlight intriguing fundamental properties of confined fields and selected applications.

Speaker Bio

Peter Banzer earned his Ph.D. in physics in 2012. He headed the Interference Microscopy, Polarization and Nano-Optics group at MPL. He completed the habilitation process at FAU in 2019. He was a visiting researcher in the group of Robert W. Boyd (Canadian Excellence Research Chair in Quantum Nonlinear Optics) at the University of Ottawa, Canada. In 2020, he accepted the offer to join the faculty of the University of Graz as a full professor. His new group 'Optics of Nano and Quantum Materials' is exploring fundamental aspects and applications of confined light and matter interacting with each other at nanoscale.



Peter BANZER
Scientist, mentor and teacher at University of Graz

Wednesday, 21 September 2022 - 13:45
Main lecture hall

Smartphone controlled RGB Lamp

Abstract

In this workshop, we are going to build an RGB lamp which can be remote controlled by your smartphone. The lamp is centered around the Arduino-like platform D1 Mini, which has WiFi capability and will be set up as an Access Point (AP). The D1 Mini has a programmable microcontroller with several inputs and outputs, which control 3 red, green and blue high-power-LEDs. The provided sketch (program code) can be manipulated using a freely available programming environment for your own future projects.



Frank REIL
Research Scientist at JOANNEUM RESEARCH

Speaker Bio

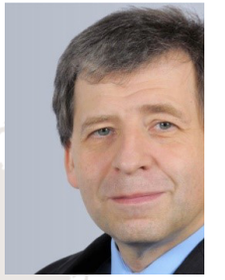
Frank Reil is a physicist with a special focus on laser-based material structuring. From 1996 until 2003 he worked as a research assistant at Duke University, North Carolina, USA. Afterwards he worked at the University of Münster and then at Karl-Franzens University of Graz on surface-plasmonic interactions between metallic nano-structures and fluorescent molecules. Since 2008 he is senior research scientist with a special focus on light and optical technologies at JOANNEUM RESEARCH.

Wednesday, 21 September 2022 - 14:45
Physics Institute

Expert and Intermediate Level

Speaker Bio

Georg Jakopic's main tasks include management tasks, contract negotiation, administration, consultation, budget and investment processing, project discussion and so forth.
After obtaining his PhD in Technical Physics in the field of thin film optics, he started working as a scientific coworker at the Institute of Nanostructured Materials and Photonics at the JOANNEUM RESEARCH Forschungsgesellschaft mbH. Rising through the ranks, he now holds the position of vice director of the institute MATERIALS.



Georg JAKOPIC
Vice Director of MATERIALS Institute at JOANNEUM RESEARCH

Speaker Bio

Maria Belegratis leads projects in the field of biomimetics (research area that studies the phenomena and processes of nature) (e.g. moth eyes, gecko feet & structural colors), hybrid integration devices and Roll-to-Roll fabrication of thin layers. She is responsible for sample preparation techniques (ultra-microtomy, critical point drying), sample characterization by nano-analytics and lithography for applications in photonics and human-machine interfaces. Her current research focus is on PyzoFlex® technology.



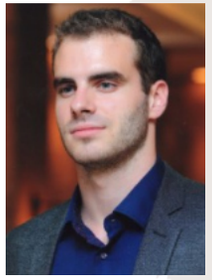
Maria BELEGRATIS
Research Scientist at JOANNEUM RESEARCH

Wednesday, 21 September 2022 - 14:45
Physics Institute

Self-starting optical Frequency Combs

Abstract

Fast semiconductor lasers can spontaneously emit perfectly periodic waveforms of light known as optical frequency combs (OFCs). OFCs are indispensable for a variety of applications and understanding their formation is crucial to support further technological advances. Here, we explain a multitude of unique effects arising in these lasers, with particular attention on the intrinsic Kerr nonlinearity which couples the amplitude and phase of light. We determine the conditions for stable OFCs and different methods of optimizing their performance by increasing the spectral bandwidth. Depending on the laser cavity, immensely rich behaviour is reported ranging from frequency-modulated OFCs in ridge lasers, to phase turbulence and solitons in ring devices.



Nikola OPACAK
Research Scientist at
TU Wien

Speaker Bio

Nikola Opacak is a researcher in the fields of optical frequency combs, nonlinear laser dynamics, carrier transport, electronic band structure, numerical simulation and modeling, theoretical and experimental techniques. Since obtaining his PhD in Technical Sciences at the Institute for Solid State Electronics at the Technical University of Vienna, he worked as a fellow of the School of Engineering and Applied Sciences at the Harvard University while working on his Postdoc at the Technical University of Vienna at the same time.

Wednesday, 21 September 2022 - 14:15
Main lecture hall

Networking done right - Crash Course

Abstract

How to build a successful career through efficient networking?
This crash course is based on my personal experience in networking, particularly with SMEs. I will share my approaches to potential new customers or partners and I will outline a practical methodology that has proven successful over the years and in different countries. I will show how networking strategies can help build successful careers.

Speaker Bio

Daniele Cozzi's main tasks include the project coordination of complex EU projects as well as management of in-house and partially resource-autonomous project working groups.
He identifies target markets and business opportunities for the Institute's research portfolio. These defined target markets then need monitoring and analysis. Daniele Cozzi also supervises external market studies and prepares key account presentations. Additionally, he leads the generation and formation of project consortia.



Daniele COZZI
Business Development &
Project Manager at
JOANNEUM RESEARCH

Wednesday, 21 September 2022 - 14:45
Main lecture hall

IPCEI PhD, Master and Internship Scholarship Program

Abstract

We support young talents with our Mission Future to achieve our goal of a more efficient, secure, and greener future. Our IPCEI PhD, Master & Internship program is an excellent opportunity to gain experience in an international expert environment of a global company, expand existing competencies, and acquire new skills. If you are in your MSc studies or still at the beginning of your PhD studies and are developing your PhD or MSc topic with your professor and us, our MSc and PhD program with a full scholarship is a good choice.



Veneta IVANOVA
Senior Specialist Funding at Infineon Technologies Austria AG

Speaker Bio

As Senior Funding Specialist at Infineon, Veneta Ivanova is currently dedicated to the IPCEI on ME project (Important Projects of Common European Interest on Microelectronics). This is the largest EU funding project for Infineon Villach to date. She is jointly responsible for the so-called "Spill-Over Activities" in this project. These contribute to knowledge transfer and networking with universities, start-ups, and SMEs. The focus is mainly on the Balkan regions. The whole project deals with several topics from the field of R&D&I.

Wednesday, 21 September 2022 - 15:15
Main lecture hall

Petahertz Photonics

Abstract

Ultrafast laser pulses are the shortest signals we can create and their enormous electric field strength allows to steer electronic motion with breathtaking speed and accuracy. That suggests to explore how such unconventional light could serve for next generation technology: Laser pulses interfaced to electronic circuitry render ultrafast, coherent optoelectronic applications up to 1 Petahertz frequencies possible – a platform for optical computing orders of magnitude faster than our computers today. And can the light-driven ultrafast coherent modification of an electronic system provide a pathway to turn something more magnetic via illumination?

Speaker Bio

Martin Schultze is researcher at the Graz University of Technology and professor for experimental physics. He obtained his PhD and his state doctorate at the Ludwig-Maximilian University Munich. Afterwards he obtained Post Docs in Munich and Berkeley. Since 2019 he is professor at the Graz University of Technology. His research focuses on Ultrafast Coherence Magnetism with the goal of developing novel experimental tools to investigate magentization dynamics with attosecond temporal resolution.



Martin SCHULTZE
Researcher at
Graz University of Technology

Wednesday, 21 September 2022 - 16:00
Main lecture hall

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Nano and Quantum Optics

Abstract

In this talk I will introduce to the rapidly developing field of quantum nano optics which investigates the optical properties of nanosized materials. I will discuss the challenges for considering quantum effects in a theoretical description, and I will comment on current developments and future prospects.



Ulrich HOHENESTER
Professor of theoretical physics at
University of Graz

Speaker Bio

After obtaining his PhD in 1997 at the University of Graz, Ulrich Hohenester moved as a Postdoc to the nanoscience group in Modena, Italy, where he spent four years working on semiconductor quantum dots. Since 2001 Ulrich Hohenester is professor for Theoretical Physics at the University of Graz. His research is concerned with the simulation of nanophotonics and plasmonic nanoparticles. He has written the textbook "Nano and quantum optics" and is author or co-author of over 170 publications.

Wednesday, 21 September 2022 - 16:40
Main lecture hall

Optical Fiber based thermo-optic Devices

Abstract

Glass optical fibers, due to their advantages, such as small dimensions, electromagnetic passivity, high-temperature resistance, chemical robustness, and low optical losses, offer excellent platforms for producing miniature sensors and devices. Laser-induced heating in absorbing layers and absorbing fibers can add multiple functions to fiber optic systems, including thermal and mechanical actuation. Basic designs and approaches to produce various fiber-thermo-optic devices, such as path-length modulators, actuators, and sensors, will be presented.

Speaker Bio

Simon Pevec has more than 13 years of researching experience in field of Photonics, Optoelectronics, MOEMS, Sensors and Measurements. His greatest experiences are related with micromachining of optical fibers including selective etching, all to develop all kinds of miniature all-fiber Fabry-Perot sensors. Simon Pevec was involved in many international and domestic projects, among which are Fiso Technologies - Canada, Hidria d.d. - Slovenia, Micronor AG - Switzerland, Optacore d.o.o - Slovenia and many more.



Simon PEVEC
Researcher and Assistant Professor at
University of Maribor

Wednesday, 21 September 2022 - 17:20
Main lecture hall

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Laser - the most versatile Tool existing today

Abstract

In a modern day's manufacturing environment lasers are key elements of an unremitting strive to push boundaries regarding the improvement of production processes in an ever-growing number of industries. TRUMPF has always been at the forefront of this endeavor which will be briefly presented from an historical perspective of the company as well as from a general applicational point of view. This comprises insights into the early years of laser technology in machine tools over cutting and welding applications to sophisticated utilization of lasers in micromachining like in semiconductor or medical related industries and many others more.



Erwin HASLINGER
Sales Manager in the Laser Division at
TRUMPF Maschinen Austria GmbH Co.KG

Speaker Bio

Erwin Haslinger currently works in the Sales Manager Laser Division at TRUMPF Maschinen Austria GmbH Co.KG. He is engaged in Business Development with focus on the Austrian Market for metal 3D-printing. In his job he has the responsibility for marking lasers and ultrafast lasers.

Before working in this field he has been employed by Bilfinger Berger Industrial Service - BIS Chemserv GmbH and by Teufelberger Fiber Rope GmbH. In both fields he has been working in Sales.

Thursday, 22 September 2022 - 9:00
Main lecture hall

Successful Cooperation in transnational Projects

Abstract

Leading and coordinating cooperative R&D projects means often managing and working with people from all around the world. Team members can have different backgrounds, different ideas and perspectives. While international growth and team diversity may pose unique challenges, such cultural and communication differences there are also many opportunities and rewards which lead to great and innovative results. Some of the key success factors are communication, trust and core team values. Besides these factors, also simple things like resource management and time management are from strategic relevance. Karin Ronijak was involved in more than 50 cooperative projects and will give an inside view how to successful coordinate multinational project teams.

Speaker Bio

Karin Ronijak's main tasks include the contribution to and monitoring of suitable R&D&I funding schemes, the generation of emerging project ideas and the structuring of new proposals. Additionally, her daily duties comprise building consortia and leading project teams. As Senior Director Global Public R&D Funding at ams OSRAM Group Karin Ronijak also takes care of business analytical activities as well as dissemination and exploitation activities.



Karin RONIJAK
Senior Director Global Public R&D Funding at
ams OSRAM Group

Thursday, 22 September 2022 - 10:00
Main lecture hall

How to:
Raman and Fluorescence Spectroscopy

Abstract

The presentation aims to give a practical introduction to the principles of Raman and fluorescence spectroscopy and to present an engineering perspective on the most important building blocks of such a spectroscopic instrumentation. It builds on experiences in ongoing product development pursued by AiDEXA.



Daniel-Eduardt SANDU
Managing Director of AiDEXA

Speaker Bio

Daniel-Eduardt Sandu founded his own company with the goal of building a sustainable growing start-up in material sensing and sorting. He is especially engaged in odor and fragrance detection. AiDEXA's scouting activities are focused on an instrumentation platform concept meant to become a non-invasive, non-destructive and confirmatory technique, capable of separating digitally up to 3 main volatile organic composites in a fast, simultaneous and continuous flow by means of plasmonic Raman spectroscopy.

Thursday, 22 September 2022 - 10:00
Seminar room

Quantum Computing

Abstract

The world is full of mathematical problems that are too hard for today's or even future supercomputers. Quantum computing promises to efficiently find solutions to many of these problems, but in order to become useful, today's prototypes must be industrialized into scalable and reliable systems. I will introduce the field and its challenges and present Infineon's activities in the field of trapped-ion quantum computing.

Speaker Bio

Clemens Rössler is engaged in the technology development of trapped-ion quantum processors. Particular emphasis is put on chip architectures, chip fabrication, integrated electronics and integrated optics.
His academic background lies in experimental quantum physics, where he employed the technological perfection of high-mobility two-dimensional eletron systems for fundamental research.



Clemens RÖSSLER
Team Lead Quantum Technology Department at Infineon Technologies Austria AG

Thursday, 22 September 2022 - 11:15
Main lecture hall

Business Models for Start-Ups

Abstract

The presentation will address the following questions: Which business models are particularly suitable for start-ups? What are the differences between a business model and the strategy of a start-up? How does a start-up arrive at a business model? What patterns of business models are there? What are the special features of business models for tech start-ups? The lecture provides a theoretical introduction to the topic, supplemented by practical examples and study results.



Stefan VORBACH
Vice rector for academic affairs at
Graz University of Technology

Speaker Bio

Stefan Vorbach studied mechanical engineering and industrial economics at the Graz University of Technology and environmental protection technology at the Technical University in Munich. He received his doctorate from Graz University of Technology in 1999 and his habilitation from Karl Franzens University in 2005. Since 2010, he has been the head of the Institute of General Management and Organisation and, since 2019, vice rector for academic affairs. His interests include innovation and technology management, entrepreneurship and intrapreneurship, and organisational issues.

Thursday, 22 September 2022 - 11:15
Seminar room

PyzoFlex - a success story?...!

Abstract

At JOANNEUM RESEARCH, numerous innovative approaches are pioneered by means of funded research projects. Some of these approaches lead to innovative technologies that have continuously been developed over many years and result in comprehensive material-, system- and process knowledge on the part of JOANNEUM RESEARCH.

This knowledge for innovative solutions qualifies JOANNEUM RESEARCH as an excellent and interesting partner for direct cooperation with industry. Highly interesting and most diverse use cases for partners are addressed within the framework of contracted research projects. These developments lead to improved

Speaker Bio

Gregor is employed at JOANNEUM RESEARCH/ MATERIALS in Austria since 2008. His main interests are in the field of printed electronics with a focus on printed sensors. He is co-developer of a fully printed sensor technology based on electro-active-polymers: PyzoFlex. Due to the exceptionally high potential and maturity of PyzoFlex, Gregor's focus has shifted to marketing and business development in order to successfully commercialize PyzoFlex and other promising technologies developed at JOANNEUM RESEARCH.



Gregor SCHEIPL
Marketing & Business Development at
JOANNEUM RESEARCH

Thursday, 22 September 2022 - 12:00
Main lecture hall

Welcome
Hackathon
EIT Health
Academia
Industry
Entrepreneurs
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Jobs

Ceramic Data Solutions – Fail Fast & Pivot

Abstract

Vision - Memory of Mankind Mission - Store All Data for Ever
Strategy – Non-Linearity - 10x – Fast Track
Roller Coaster - Pandemic - War – Climate Crisis
Outlook - Go Big or Go Home



Christian PFLAUM
Founder and CEO of
Cermic Data Solutions GmbH

Speaker Bio

After studying at the Graz University of Technology and the University of Graz Christian Pflaum worked as a consultant for the Boston Consulting Group. After being an investment director at Bertelsmann Capital Ventures, he decided to found his own companies: First, he set up Davido AG, which is concerned with business development for the mobile revolution. In 2012, he founded Ceramic Data Solutions GmbH. His goal is to develop indestructible data carriers in the form of ceramic tablets, which should enable the storage of data for 1 million years.

Thursday, 22 September 2022 - 14:00
Main lecture hall

Multi-Stimuli Responsiveness at high Resolution

Abstract

Embedding sensors in smart architectures that record the response from the environment and transform it in a measurable signal is the objective of artificial skins. In this talk, a smart skin based on a single novel multi-stimuli responsive material, combining force, temperature and humidity sensing will be presented. The new sensor concept is realized by combining a hydrogel and a piezoelectric material in an array of core-shell structures. This architecture is achieved thanks to the use of vapor-based technologies for material processing, i.e. chemical vapor deposition, atomic layer deposition and nanoimprint lithography. We demonstrate that the skin can detect the stimuli with lateral resolution below the one of human skin. Possible applications stem from robotics to smart prostheses. Smart skin could

Speaker Bio

Anna Maria Coclite is an Associate Professor in the Institute of Solid State Physics of the Graz University of Technology since January 2018. From 2010 to 2013, she has been postdoctoral associate at the Massachusetts Institute of Technology. She received her Ph.D. degree in Chemical Science from the University of Bari, Italy in 2010.
Today, she leads a research group working on thin film deposition processes. She also dedicates part of my time to teaching, mainly in the field of Thin Film Science.



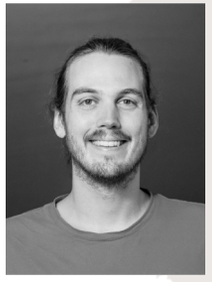
Anna Maria COCLITE
Associate professor at
Graz University of Technology

Thursday, 22 September 2022 - 14:30
Main lecture hall

Space QKD

Abstract

We start with a short motivation and introduction on quantum key distribution. The main elements of space-based quantum communication will be explained and qtlabs' involvement in the technology development will be highlighted. Special emphasis will be put on the wide range of skillsets and knowhow that is need in the field. We conclude with a short outlook on future developments. The future is quantum!



Martin BOHMANN
Business development and quantum engineer at qtlabs

Speaker Bio

Martin Bohmann works in Businees Development and as quantum engineer. His main tasks include project development, partner and funding acquisition, strategic development and project management. As quantum engineer he focuses mainly on optoelectronics, quantum optics, single-photon detection, etc.

After obtaining his Doctor's degree at the University of Rostock in Theoretical Physics, he started Postdoctoral programs both in Florence and later in Vienna. Since April 2022 he is working at qtlabs.

Thursday, 22 September 2022 - 15:00
Main lecture hall

Careers for Postdocs in Photonics

Abstract

Doing a postdoc after a PhD is not mandatory and not even always recommended. In this presentation, I will share my experience and my views on the different options available to you before and after a postdoc. It should help you to get a better picture of the next steps you can take depending on what rocks your boat.

Speaker Bio

Caroline Amiot manages EU projects and organizes national events for Photonics Finland, the national cluster for the Photonics Community in Finland. The main goal of her job is to promote Photonics and help creating connections between the different actors of the community like researchers, students and companies.

She obtained a master in Photonics then a co-supervised PhD between France and Finland. Then she worked as a Postdoc researcher for three years in Finland and Switzerland.



Caroline AMIOT
Project Manager at Photonics Finland

Thursday, 22 September 2022 - 15:00
Seminar room

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Business Model Canvas and first steps towards your EIT Health iDays Austria 2022 Product

Abstract

Introduction to the Business Model Canvas tool and first steps towards your EIT Health iDays Austria 2022 product. iDays promote health innovation among university students through dozens of one-day to two-week events held all over Europe. Students from all academic areas receive an introduction to practical innovation, product- and business-development tools and challenge themselves in teams to tackle real-life health challenges. The Austrian winning team will also be invited to the EIT Health iDays Winners event, a final competition that unites all winning teams from all idays from around Europe in one of the major capitols of Europe (location to be announced).



Daniel PRESSL
Business Development Manager at WILD Group

Speaker Bio

Dipl. Ing. Daniel Pressl PhD received his doctorate in 2009 at the Massachusetts Institute of Technology (MIT). He did research in various fields, such as biomaterials and worked in several industries, including the packaging, the automotive industry and in the course of his doctoral thesis in the field of advanced welding technologies for FORD Motor Company.

Daniel is the founder and CEO of iPressl eU, as well as ABC House GmbH. He focuses his efforts on Innovation and Product- & Business-Development through local and worldwide projects and networks.

Thursday, 22 September 2022 - 16:15
Main lecture hall

Innovative Europe: Added value through Collaboration

Abstract

Projects: Proposal to Implementation

Horizon Europe funding opens many doors of opportunity to work with researchers and innovators at the head of their field. However, it can be a complicated maze to navigate, and once you have won your funding the management of your project can seem daunting. In this talk we shall investigate some of the funding streams available and also hints and tips for good consortium building, proposal development and collaborative project management.

Speaker Bio

Alison is Technology Scotland's Senior Programme Manager for Photonics, with 20 years of experience across academic, industrial and consultancy roles. After achieving her PhD in Photonics from the University of St. Andrews, she worked as a Research Associate before joining industry in the role of technical sales/account manager in the health physics and photonics sectors. Alison then moved to a role dedicated to project management and proposal writing for EU funded projects, gaining extensive experience, before starting her current role.



Alison MCLEOD
Senior programme manager at Technology Scotland

Thursday, 22 September 2022 - 16:15
Seminar room

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How to set up your Start-up

Abstract

At Gründungsgarage, we have made it our mission to support the entrepreneurs of the future with our expertise. Since 2013, with the support of renowned mentors and experts from business and science, we offer the ideal environment to help your startup get off to the right kickstart and accompany you on your way to your own business. We at Grüdungsgarage have supported 100+ Projects in the very early stages of their activities. From that experience we derived some learnings for you.



Bernhard WEBER
Running the Unicorn - Startup & Innovation Hub on the Campus of the University of Graz

Speaker Bio

It's the startup business, where Bernhard Weber puts his professional focus on und and all his passion into. He is fostering the development of (technology) startups, especially spin-offs from the University of Graz. As MD of the Unicorn, he is responsible for an interface between science, start-ups, and industry and provides services and infrastructure for the innovation ecosystem in Graz. He is constantly searching for teams with innovative ideas to support them during the turbulent preseed- and seed phases of their startup. That's what he has been doing for more than 250 startups since 2006.

Thurday, 22 September 2022 - 17:00
Main lecture hall

No more Small Talk!

Abstract

Who am I in the eyes of the other?! And if so, how many? Find out how you can quickly and easily score points with your counterpart and be remembered positively. What mechanisms work in the event of sympathy or rejection, how you remain authentic and what it takes to leave the impression you want. Through interactive exercises and clever tools, you take away what will be of use to you in everyday life.

Speaker Bio

Johanna Macher-Kramberger is a renowned coach for self-efficacy.
For about 20 years she has been using her abilities to make people strong for the development of employees, leaders and organizations in order to create a sustainable relationship culture and value truth in professional life. Future Leadership beyond material and financial boundaries is her vision and conviction. As a trained architect and visual artist, she gained international experience early on regarding the human factor in the process of success.



Johanna MACHER-KRAMBERGER
Business advisor at Dale Carnegie Austria

Thurday, 22 September 2022 - 17:00
Seminar room

The way towards a PhD and beyond at Infineon

Abstract

The career at an international company can start way earlier than after graduating from university. This talk will outline potential steps towards a PhD with close industry collaboration followed by the beginning of a professional career in an international company.



Dominic PIRKER
Senior System Engineer at Infineon Technologies Austria AG

Speaker Bio

Dominic Pirker's work as engineer mainly focuses on ultra-wideband system and solutions. His emphasis lies on architectures for various use cases including validation concepts.

As PhD student at Infineon his research focused on security architecture for Iot and Drones. Already in his Master studies he put emphasis on secure authetification of Unmanned Aerial Vehicles (UAVs).

Friday, 23 September 2022 - 9:00
Main lecture hall

About Optica (formerly OSA)

Abstract

Optica (formerly OSA), is the society dedicated to promoting the generation, application, archiving and dissemination of knowledge in the field. Founded in 1916, it is the leading organization for scientists, engineers, business professionals, students and others interested in the science of light. Optica's renowned publications, meetings, online resources and in-person activities fuel discoveries, shape real-life applications and accelerate scientific, technical and educational achievement. The different activities are presented with a focus on benefits and services for students and early career professionals.

Speaker Bio

Claus Roll, is the European Director for Optica (formerly OSA), which he joined in the beginning of 2020. His tasks comprise developing, building and sustaining relationships and connections with Optica members and customers in northern Europe. During the first months, this activity mainly took place virtually, with visits to universities, research institutions and industry recovering again. First European based initiatives have been started following these discussions.



Claus ROLL
European Director of Optica

Friday, 23 September 2022 - 9:30
Main lecture hall

Photonic, High-Tech and the Arts

Abstract

The company AKEMI was founded to rethink the subject of light in all dimensions. Heike Stuckstedde was able to realise her dream of 3D printing light-conducting materials in January 2022, and now the aim is to further develop the technology of additive manufacturing in order to create space-consuming light objects from it. She recognised early on the potential of continuous fibre manufacturing technology for her light art to create a new kind of light objects and to be able to scale them. At the moment, AKEMI is working on a new type of sunlight technology that channels real sunlight into interior spaces to combine the factors of health, energy saving and sustainability with light to create atmosphere that is ultimately reflected in the light objects.



Heike STUCKSTEDDE
Founder of ATARA design and Co-founder & CEO of AKEMI – Rethinking Light

Speaker Bio

Heike Stuckstedde received a diploma in Art History and a Master's degree in Interior Design. She worked for different museums and cultural institutions in managing positions before she founded ATARA design in 2015. This art and design studio creates light objects, room conception & atmosphere. As Co-founder and CEO of AKEMI - Rethinking Light she entered the field of photonics. AKEMI is a start-up for rethinking light in all dimensions with a focus on light objects made of optical fibers in combination with innovative sunlight technology.

Friday, 23 September 2022 - 10:00
Main lecture hall

Job Profiles in Photonics

Abstract

In this presentation, Andreas Tortschanoff will give an overview, from his personal perspective, about the large variety of typical job profiles in photonics. Correspondingly, he will try to deduce required qualifications and competencies and, also, bring some illustrative examples from his experiences at Silicon Austria Labs.

Speaker Bio

Andreas Tortschanoff obtained his PhD at the Department of Physical Chemisty at the University of Vienna in 1999. Later, he worked as scientific employee in the special research project ADLIS. After having been employed at EPFL - a laboratory of ultrafast spectroscopy - he started working as a senior researcher at CTR - the Carinthian Tech Research AG. Since 2019 he has been the principal scientist in the field of photonic systems at Silicon Austria Labs. His tasks include leading projects in the field of optical system design and integrated photonics.



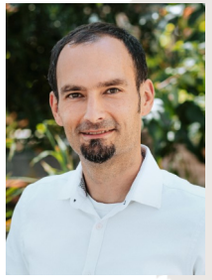
Andreas TORTSCHANOFF
Principal Scientist (in Photonic Systems Research Unit) at Silicon Austria Labs

Friday, 23 September 2022- 10:00
Seminar room

Green Tech Jam - Code and Concept for Green Tech

Abstract

This talk will be a presentation about the Green Tech Cluster and an introduction to our Green Tech Jam – Student Hackathon. With around 270 companies and research facilities, the Green Tech Cluster represents the Green Tech Valley with the focus on climate and circular solutions. The Green Tech Jam is one event to connect the challenges of Cluster Partners with the ideas of motivated students.



Johann KOINEGG
Project Manager at Green Tech Cluster

Speaker Bio

After working in the electronic industry at an EMS company Johann Koinegg studied Environmental System Science at the University of Graz followed by the Joint Degree Master Sustainable Development. Afterwards he worked in the Photovoltaic Industry before joining the Green Tech Cluster. At the Green Tech Cluster he supports Styrian and Carinthian Green Tech Companies in the development of novel green tech solutions. His fields of expertise include renewable energies, sustainable development and intercultural competence.

Friday, 23 September 2022 - 11:15
Main lecture hall

IP Rights – Protecting Innovation

Abstract

Intellectual Property Rights (IPRs), such as patents, trademarks, and copyrights, protect innovative ideas. Traditionally they have been regarded as “legal tools” to prevent copying. IPRs can also be used to support cooperation between companies and research institutes, support investment in deeptech companies and promote open innovation. Our speaker will illustrate with examples how the strategic use of protective rights can promote innovation and how misuse hinders commercialisation.

Speaker Bio

The speaker, Dr. Robert Harrison, is a European Patent Attorney and has a Ph.D. in III-V laser physics. He worked formerly for IBM and W.L.Gore and is experienced in supporting technology transfer activities from research institutes as well as mentoring start-up companies. He is a member of the Board of the European Quantum Industries Consortium and participant in several European research consortia.



Robert HARRISON
European Patent Attorney at Sonnenberg Harrison Partnergesellschaft mbH

Friday, 23 September 2022 - 11:15
Seminar room

Open Innovation Ecosystem „Industry meets Makers“

Abstract

Industry meets Makers (IMM) is an open innovation community building format that aims to initiate new collaboration models between top industry and the creative maker scene in order to make the resulting innovation and business potential fruitful for the benefit of both sides. The current core concept essentially consists of top industrial companies, SMEs and research organisations announcing so-called "briefings" in future technology areas such as robotics, AI, 3D printing, Industry 4.0, IoT, Big Data, Blockchain, etc. and inviting innovative "makers" – start-ups, SMEs, freelance developers, designers, students and hobbyists – to solve these together with them within the framework of an approx. six-month get-to-know and co-creation period.



Sandra STROMBERGER
Entrepreneur at Industry meets Makers

Speaker Bio

Sandra Stromberger's main tasks include the development and implementation of strategy, digital and communication projects for clients as well as establishment and management of communities and platforms in the innovation, IT and future tech sector. She studied communication science, film and political science at the Free University of Berlin. Today she can already look back on 25 years of professional experience – 3 years in the film industry and 22 years in the digital agency sector and in parallel 8 years in tech community.

Friday, 23 September 2022 - 11:40
Seminar room

From Light Bulbs to Lasers

Abstract

More than other technologies, light sources frequently provided disruptive innovation for our society, starting with the use of light bulbs in the late 19th century. The introduction of lasers in the 60's provided a revolution in many industrial fields and in telecommunication. More recently, the triumphal march of LEDs in general and automotive lighting was a logical step in the story of replacement of filament and vacuum tube technology by semiconductors. The enabling character of photonic technologies is promising for further disruptions in related areas that use light sources as the main source of energy.

Speaker Bio

Paul Hartmann is the director of the Institute for Surface Technologies and Photonics (MATERIALS) of JOANNEUM RESEARCH Forschungsgesellschaft mbH in Weiz, Pinkafeld and Niklasdorf. He also works as University Professor for Technology of Nanomaterials at the Institute of Chemistry and Technology of Materials at the Technological University of Graz. His fields of expertise include lasers, LEDs, surface structuring and many more. During the course of his career he was already a part of many successful projects in the photonics sector.



Paul HARTMANN
Director of MATERIALS Institute at JOANNEUM RESEARCH

Friday, 23 September 2022 - 11:40
Main lecture hall

Designing autonomous Driving with Users' Diversity in Mind

Abstract

The interactive talk will give an overview of the latest developments of autonomous driving, with a particular emphasis on the current usage scenarios for individual and public transportation and the way in which the diversity of users' categories is embedded in them. Ways to enhance the acceptance of autonomous driving by means of a stronger focus on the needs and expectations of some particular social categories are highlighted. The interaction with the audience is planned in what concerns the expectations on the "in-car" role of the humans and their interaction with the technology.



Oana MITREA
Professor at Carinthia University of Applied Sciences

Speaker Bio

Oana Mitrea is professor for Disability and Diversity in the Context of Digitalization at the Carinthia University of Applied Sciences and external lecturer at the University of Klagenfurt. Until recently she has been Director of Innovation and Technology in the Silicon Alps Cluster, where she coordinated several expert groups on smart system technology topics. Her current focus is on the social studies of technology, with particular emphasis on the interaction of end-users with autonomous intelligent systems.

Friday, 23 September 2022 - 13:00
Main lecture hall

Funding opportunities for Start-ups in Austria

Abstract

With aws Preseed Deep Tech and aws Seedfinancing Deep Tech funding aws bridges the financing gap of innovative Deep Tech start-ups which develop high-technology products or services.

Speaker Bio

Elvira Kainersdorfer studied Technical Chemistry with a special focus on Biochemistry and Biotechnology. After finishing her studies she worked several years in the medical device industry and joined Austria Wirtschaftsservice in 2006. Since then she is employed in the Seedfinancing department as an life science expert responsible for the consulting and funding of Life Science start-ups. Her main task is the support and funding of deep tech start-ups in the Life Science field.



Elvira KAINERSDORFER
Investmentmanager at Austria Wirtschaftsservice Gesellschaft mbH

Friday, 23 September 2022 - 13:00
Seminar Room

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ams OSRAM

Company Info

Combine light with intelligence and innovation with passion

What motivates us at ams OSRAM is our drive to explore and design **new technology**. Bringing **intelligence to light and passion to innovation**, we enrich people's lives. With our vision to become the uncontested leader in optical solutions, we will continuously advance our technologies in sensing, illumination and visualization. Our around **24,000 employees** worldwide focus on innovation across **sensing, illumination and visualization** to make journeys safer, medical diagnosis more accurate and daily moments in communication a richer experience. This is what we mean by **Sensing is life.**

ams OSRAM is a global leader in **optical solutions**, with a strong foundation of **excellent employees**, from renowned **engineering experts** to a **strong combined management team.** We form a European champion with over 110 years of history and the ability to **serve the full value chain** – from emitters to sensors and software. We believe that the deep engineering expertise and our ability to offer complete optical systems from a single source is unparalleled in our industry.

We are **one company, one team** - valued by customers and ready to **shape the technology trends of tomorrow.**

What we value

It is important to us to offer our employees an interesting job with good working conditions and prospects, to contribute to their development, and to pay them fairly. We offer a dynamic, engaging and positive work atmosphere and exciting opportunities for both personal and professional development in a highly diverse international environment.

We are looking for

University graduates (Post Docs, PhDs, MScs and BScs) as well as Bachelor and Master students
https://careers.ams-osram.com/en/



Michael PONSTINGL,
Recruiter

Contact Info
Michael.Ponstingl@ams-osram.com
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Edmund
80 YEARS OF OPTICS

THE FUTURE DEPENDS ON OPTICS AND ON YOU!

Edmund Optics, with 80 years successful history, is a fast-growing company with over 1.200 employees in more than 12 countries. Offering one of the broadest ranges of optical components and imaging products that enable applications addressing the challenges of today and tomorrow, Edmund Optics is looking for future colleagues on the same "wavelength" and offers exciting vacancies in various areas across Europe.

Desired Field of Study
Physics (or other sciences), Engineering, Metrology, etc.

Our Core Values
- We are One Family
- We drive Innovation through Continuous Improvement
- We do what is best for the Customer
- We are proud of what we do

Being a company with strong focus on optics and photonics, motivated talents and bright minds with an interest for science and physics are highly appreciated.

We are looking for
- Master students
- Post Docs
- PhDs

We offer
- Full-time employment
- Part-time job

Contact us today and take the next step in your career!

Edmund Optics GmbH
Isaac-Fulda-Allee 5
55124 Mainz/ Germany
Agnes Helsper
hr@edmundoptics.de





G2 INDUSTRIAL ENGINEERING

G2 Industrial Engineering

Company Info
Lighting and illumination technology. Industrial engineering and prototype production. Solutions for utility, special-purpose and public safety vehicles. Automotive supplier for interior and exterior. From generating ideas to final implementation. We are working today on what the world will need tomorrow. We are your local player with global experience. We think laterally and work linearly. Which lighting and illumination trends have the potential to light up the market of the future? Which future challenges in the utility and special-purpose vehicle industry can be foreseen already today? We accompany our customers in the segments of lighting and illumination technology as well as general automotive manufacturing into the future of automation and digitization. With foresight and a sharp eye for what matters most. Together, we develop ideas and solutions, searching for the optimum in design and efficiency. Commercial project management and economically feasible concepts round out our technical offering as a full-service company with character.

What we value
We are looking for highly motivated students and graduates who are interest in light technology. Due to the different scope of works in our R&D projects we can offer an varied and exciting work environment. As a young company we offer flat hierarchies and responsibility as well as individual development opportunities.

We are looking for
PhD, Master students, Undergraduate students



Nico SCHREINER,
Member of Executive Committee

Contact Info
jobs@gerger.at

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IAESTE AUSTRIA

IAESTE Austria

What we value
We value a curious mindset, one that wants to explore the world with IAESTE.

Company Info
IAESTE is the world's largest organization for arranging internships for students of technical and scientific disciplines.

IAESTE is an internationally active student organization that arranges subject-specific internships for students of technical and scientific fields of study. The „International Association for the Exchange of Students for Technical Experience" was founded in London after the Second World War with originally 10 member countries; meanwhile IAESTE is represented in more than 80 countries and arranges more than 5000 internships worldwide every year.

Apply and take the opportunity to do an IAESTE internship abroad during (or after) your studies, gain work experience, get to know a foreign culture and practice and improve your foreign language skills.

We are looking for
Students who either want to do an internship abroad or join our team in Graz.



Daniel Paul DOHR
Marketing

Contact Info
daniel.dohr@iaeste.at

Infineon

Infineon Technologies AG

Company Info
Infineon Technologies Austria AG is a group subsidiary of Infineon Technologies AG, a world-leading provider of semiconductor solutions that make life easier, safer and greener. Microelectronics from Infineon reduce the energy consumption of consumer electronics, domestic appliances and industrial facilities. They make a major contribution to the convenience, security and sustainability of vehicles, and enable secure transactions in the Internet of Things.

Infineon Austria pools competencies for research and development, production as well as global business responsibility. The head office is in Villach, with further branches in Graz, Klagenfurt, Linz and Vienna. With 4,820 employees from 73 countries (including 2,100 in research and development), in the financial year 2021 (ending in September) the company achieved a turnover of € 3.9 billion. With a research expenditure of 516 million euros, Infineon Austria is one of the strongest research companies in Austria.

What we value
We are looking for motivated and committed students and graduates, who are willing to learn new things and work in an innovative company acting on a global scale. Excellent English language skills are necessary, German is a plus.

We are looking for
Post Docs, PhDs, Master students & Undergraduate students



Christina TIEFNIG,
HR

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+4367682057912

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In-Vision Technologies AG

What we value

Respect: We acknowledge and respect differences in each other, and provide a supportive environment encouraging open communication.
Trust: We have full confidence in everyone's ability at In-Vision. For our customers, we strive to be their trusted advisor in solving challenging problems.
Reliability: We count on each other and you may always count on us.
Teamwork: We know that our success is built on many shoulders.
Fun: Together, we make In-Vision a great place to work.

We are looking for

Postdocs, PhDs, Master students, Undergraduate students



Isabella Schebek,
HR-Generalist

Company Info

Light is our source of power. In-Vision Technologies AG develops and produces optical and opto-electronic devices for industrial applications in Guntramsdorf, Austria and Boston, USA. In addition to the world market leadership in cinema lenses, UV DLP projectors, so-called light engines, represent the most important business segment. Our applications range from 3D printing and bioprinting to metrology and lithography. The production of light engines, cinema and projection lenses takes place exclusively at our company's headquarters in Guntramsdorf, south of Vienna, where more than 70 employees work.

In 2019, In-Vision won the European Business Award against more than 12,000 highly innovative competitors from 33 countries, being recognized for the growth strategy of the year and receiving the State Prize for Innovation in the same year. In-Vision has been an approved Texas Instruments DLP® design house partner for more than a decade.

Contact Info

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JOANNEUM RESEARCH MATERIALS

Company Info

JOANNEUM RESEARCH, headquartered in Graz, is a successful national and internationally active research institution owned by the Austrian federal states of Styria, Carinthia and Burgenland. Ideally embedded in the national and international innovation network, our researchers innovate in three high-level fields of expertise: “Information and Production Technologies”, “Human Technologies and Medicine”, and “Society and Sustainability”. We use our ideas, innovative power and considerable research experience to support companies both private and public not only with the development of technology, methods and products, but also with societal topics.

MATERIALS, the Institute for Surface Technologies and Photonics, provides interdisciplinary approaches for the entire value chain from the initial concept to the prototype using cutting-edge technologies and processes for miniaturisation, integration and material optimisation. In combination with up-to-date equipment and infrastructure, we offer trend-setting solutions and services tailored to business and industry-related requirements. The core topics include large-area micro and nano-structuring, bio and chemo-sensors, lighting technologies, functionalised surfaces and laser processes.

What we value

We are looking for highly motivated students and graduates with the ability to work in an international and multidisciplinary team. Very good command of written and spoken English is obligatory.

We are looking for

Post Docs, PhDs, Master students & Undergraduate students



Rita ECKHARD,
Directorate Assistant

Contact Info

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Optica

What we value

Core Values: i4=1

A global community united in our core values.

- Innovation
- Integrity
- Inclusivity
- Impact

We are looking for

Postdocs, PhDs, Master Students, Undergraduate students



Claus ROLL,
Director in Europe

Company Info

Optica (formerly OSA), Advancing Optics and Photonics Worldwide, is the society dedicated to promoting the generation, application, archiving and dissemination of knowledge in the field. Founded in 1916, it is the leading organization for scientists, engineers, business professionals, students and others interested in the science of light. Optica's renowned publications, meetings, online resources and in-person activities fuel discoveries, shape real-life applications and accelerate scientific, technical and educational achievement.

Our mission is to promote the generation, application and archiving of knowledge in optics and photonics and to disseminate this knowledge worldwide. The purposes of the Society are scientific, technical and educational. Our commitment to excellence and long-term learning is the driving force behind all its initiatives.

Since 1916, we have been the world's leading champion for optics and photonics, uniting and educating scientists, engineers, educators, technicians and business leaders worldwide to foster and promote technical and professional development. Through our publications, events and services, we help to advance the science of light by addressing the ongoing need for shared knowledge and innovation.

Contact Info
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https://www.optica.org/en-us/home/

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Photonics Austria

Company Info

The Austrian technology platform Photonics Austria was founded on the initiative of the Federal Ministry for Climate Protection, Environment, Energy, Mobility, Innovation and Technology (bmk) in order to establish a strong presence at national and international level together with representatives from business and research. Photonics Austria promotes the exchange between business, research and education. The main tasks of Photonics Austria are to support the development of national and international research strategies and programs and to promote networking with European photonic activities, as well as to offer national actors an exchange platform.

OUR VISION - Shaping the future with photonics
OUR MISSION - The platform Photonics Austria realizes innovation through competence, knowledge and experience.

What we value

Photonics Austria has various roles in the Austria photonics ecosystems. As an innovation platform we value independent thinking and creativity, as a networking platform we value social competence and as a technology platform we value a broad-ranging technical background (not necessarily dedicated to Photonics to supplement our team).

We are looking for

Master & Undergraduate students
We are looking for open-minded students who like to work in an motivated team on versatile topics and tasks.



Michael WURZINGER,
Project Manager

Contact Info
michael.wurzinger@joanneum.at
+43 (0) 316 876-3021

Want to work on exciting projects for the aerospace and automobile sector?



XARION Laser Acoustics is a young high-tech company based in Vienna. Our patented **laser-based sensor technology** is unique and has received major international awards. We offer unique solutions in **non-destructive ultrasonic material testing** and **industrial process monitoring**. Industry-leading companies from the **semi-conductor, aerospace and automotive industries** such as Airbus, Porsche or Audi therefore use our sensors in solutions.

We believe that **our people are the cornerstone of our success**. Our team consists of about 35 exceptional, highly motivated individuals, working in the fields of R&D, Application Engineering, Production and Administration. Each one contributes to the success of XARION's vision. **Become part of our team!**

DESIRED FIELD OF STUDY

Physics, Electrical Engineering, Mechanical Engineering, Metrology, Mechatronics, Automation Technology, Information Technology

WHAT WE VALUE

Fascination with an innovative invention and the desire to engage yourself intensively with our technology. Flexibility and willingness to work independently.

WE ARE LOOKING FOR

Master students
Post Docs
PhDs

WE OFFER

Full-time employment
Part-time job



CONTACT

XARION Laser Acoustics
Ghegastrasse 3
1030 Vienna
Martin Wallner
m.wallner@xarion.com

xarion laser acoustics

WILD

WILD Holding GmbH

Company Info

Join our team and be part of the the most trusted partner for the development and production of optomechatronic systems in the sectors of medical, optical technology and industrial technology. The list of fascinating products created within the WILD group is long: Whether completely new types of laboratory analysis equipment, surgical equipment, innovative illumination systems, therapy equipment or high-performance medical lasers - WILD is in demand wherever precision and reliability are required, and innovations take place.

WILD develops and manufactures exclusively on behalf of its customers. Both young start-ups and established international market leaders appreciate the combination of optics, electronics, precision mechanics and application software, which hardly any other company covers at such a high level.

The WILD Group unites the brands WILD with locations in Völkermarkt and Wernberg (AT), Trnava (SK) and PHOTONIC in Vienna. Approximately 500 highly qualified employees work for the WILD Group.

What we value

-International customer projects with a wide variety of challenges.
-Flat hierarchies and responsibility as well as individual development opportunities.
-Openness and willingness to constantly develop.
-Future-oriented technology fields with high development potential.
-Health and technology as a meaningful task and last but not least the most important thing – the employee as a person.

We are looking for

Bachelor, Master and PhD students



Daniel PRESSL,
Business Development Manager

Contact Info

Daniel.Pressl@wild.at
+43 4232 2527 235

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Notes.

Prozessingenieur (m/f/d) - Halbleiterfertigung

Job Description

-Begleitung neuer Produkte, Prozesse und Projekte.
-Laufende Prozesskontrolle.
-Mit Vorschlägen zur systematischen Prozessverbesserung beitragen.
-Lösen von herausfordernden Aufgaben / Problemen.
-Durchführen von Versuchen und Auswerten der Ergebnisse.
-Schnittstelle zu anderen technischen Bereichen (z. B. Instandhaltung, -Entwicklung, Liniensteuerung etc.) sowie zu anderen relevanten Abteilungen (z. B. Qualität).

Your Profile

-Abschluss einer technischen- oder naturwissenschaftlichen Ausbildung
-Abgeschlossenes Studium oder HTL mit mehrjähriger, (fach-)einschlägiger Berufserfahrung
-Gute Deutsch- und Englischkenntnisse in Wort und Schrift.
-Selbstständige, verantwortungsvolle und teamorientierte Arbeitsweise.
-Bereitschaft, sich neuen Aufgabenstellungen zu widmen und diese im Team zu lösen.
-Gut organisiert und fähig, mit vielseitigen Anforderungen zu arbeiten.
-Bereitschaft zur Arbeit am Wochenende.

Contact Info
Michael.Ponstingl@ams-osram.com
+43 3136 500 31500

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Process Engineer FSP/MWP (m/f/d)

Job Description

-Process responsibility in the semiconductor IC fabrication
-Sustaining of existing processes in terms of quality-, performance- and throughput improvement
-Characterization and implementation of new equipment
-Development of new unit processes
-Development and implementation of system/product monitoring strategies
-Lead continuous improvement programs (also in cooperation with other departments)
-Identification and solving of potential process- and equipment problems
-Responsible for quality improvements
-Technical interface to suppliers

Your Profile

-HTL with several years of experience or FH/University degree in technical science (physics, chemistry, materials science or related) or long term experience in semiconductor industry
-Team player, good communication-, problem solving- and self-organization skills
-Flexibility (e.g. working in on-call model)
-Good computer skills (e.g. MS Office), programming skills beneficial
-Good German knowledge
-Fluent English
-Willingness to travel

Contact Info
Michael.Ponstingl@ams-osram.com
+43 3136 500 31500

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ams OSRAM

Process Integration Engineer (m/f/d)

Job Description

-Supervise, guide & monitor a process integration team for special processes/technologies on the following items
-Supervise & monitor manufacturing with the set up process technology in close teamwork with single process engineering, process R&D, QA, etc.
-Maintain process deliveries (e.g. FMEA, PCP, etc.) & lead cross-functional discussions
-Optimize processes and solve process problems in close teamwork with different departments (e.g. Test, Product Engineering, Design, Design Support, QA, etc.)
-Evaluate and implement possible process simplifications / improvements in order to lower manufacturing costs & increase process and product robustness
-Transfer new technologies / process modules from process R&D into production

Your Profile

-Master degree or PhD in Physics, Chemistry or Material Sciences
-Several years of experience in semiconductor manufacturing or similar industry
-Excellent technological & professional skills
-High organizational & communication skills
-Confident writing and speaking ability in English
-Advanced problem solving skills (beneficial: Six Sigma experience, etc.)
-Ability to lead cross-functional teams and willingness to work in a team environment
-Ability to adjust to fast changing environments and project working style to set up new processes
-Beneficial: experience & mind-set according automotive standards in semiconductor industry
-Beneficial: experience in customer communication on technical issues in 8D format

Contact Info
Michael.Ponstingl@ams-osram.com
+43 3136 500 31500

To support our efforts within the European Market, **Edmund Optics** is looking for a

Senior Optical Designer – Machine Vision (f/m/d) in Mainz (Germany)

This engineering position incorporates optical design and optical tolerancing for internal and external custom product developments.

Essential Functions:
- Execute both feasibility studies and full optical designs, for internal and external custom product developments
- Design evaluation and tolerance for manufacturability
- Assess customer functional requirements to gauge design considerations
- Provide support to customers needing assistance developing the specifications of their optical systems
- Development of design and analysis tools and procedures
- Collaborate, provide support and knowledge share with other team members
- Participate in design reviews, presentation of design results and analysis of performance
- Team up with the internal design and engineering resources around the globe
- Build out network within the regional and international optical design community and continuously enhance skills expertise in the fields of optical design and related
- Comply with federal, state, and company policies, procedures, and regulations

Your profile:
- Minimum Bachelor's Degree (Master's Degree preferred) in optical sciences, physics or equivalent experience; Minimum seven (7) years' experience in the optical industry; specific experience in imaging lens design
- Proficiency in optical principles and optical design and/or proficiency in opto-mechanical design
- Understanding of basic mechanical principles
- Understanding of manufacturing and assembly techniques
- Proficiency in optical design software (i.e. Zemax, CodeV, Fred)
- Knowledge of industry products and applications
- Fluent in English and German
- Great communication, organization, and math skills
- Willingness to travel occasionally

Edmund 80 YEARS OF OPTICS

Edmund Optics® (EO) is a leading manufacturer of optics, imaging, and photonics components supporting numerous markets around the globe, including advanced diagnostics, semiconductor & electronics, machine vision, automation, R&D, and safety & security.

Edmund Optics Europe, a US owned-group consisting of Edmund Optics Germany and Edmund Optics UK, is responsible for sales, marketing, distribution, manufacturing, engineering and application support for a wide product range throughout Europe, the Middle East and Africa. Europe is one of the main growth markets for Edmund Optics globally, leading to a rapidly expanding and developing local team.

To support our efforts within the European Market, **Edmund Optics** is looking for a

Sales and Applications Engineer – German speaking (f/m/d) in Mainz (Germany)

As part of Edmund Optics' industry-leading customer support team, the Sales and Applications Engineer is responsible for providing technical assistance to our European customers, as well as working in a regionally-focused sales team. Specific tasks include responding to technical inquiries, assisting with product selection for specific applications, basic account management, and handling of OEM opportunities including price calculation and negotiations. It is an internal technical sales position, with occasional travelling to other EO sites, trade shows, and customers.

The role also offers opportunities to participate in side projects, such as writing articles for EO's publications and industry magazines, or designing and building demonstration setups for trade shows to showcase EO's products and capabilities.

The Sales and Applications Engineer is an entry-level position with excellent career opportunities within the Edmund Optics group.

Essential Functions:
- Responding to technical queries and providing technical information
- Assisting customers with product selection
- Handling incoming customer inquiries for modified or custom optics
- Supporting customers and liaising with other departments across global offices
- Participating in projects to support Marketing & Sales

Your profile:
- University degree in a Science or Engineering subject
- Fluent in German and English, both written and spoken
- High-level proficiency with MS Office programs
- Professional demeanour and communication
- Responsive, solution- and action-oriented mindset
- Skills in analyzing data & information

We offer versatile and challenging positions alongside a highly competitive employment package within our dynamic and successful corporation in a growing and future-proof industry. You will have the opportunity to work with highly motivated, self-driven and open-minded colleagues with a great team spirit, and can expect a high level of responsibility and strong impact in an entrepreneurial environment.

Edmund Optics provides a range of employee benefits alongside the salary package including:
- Company pension scheme
- Group accident insurance
- Mobile working opportunity
- Extensive training and development offer
- Subsidized gym membership
- Company events
- ...and a lot more!

If you are interested, please address your application to:

Agnes Helsper
Edmund Optics GmbH
Isaac-Fulda-Allee 5
55124 Mainz/ Germany
hr@edmundoptics.de



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To support our efforts within the European Market, **Edmund Optics** is looking for a

Product Compliance Officer / Manager – Export (f/m/d) in Mainz (Germany)

Essential Functions:
- Responsible for European Export processes and transactions involving tangible as well as intangible goods under consideration of applicable US export implications
- Specifying, revising and/or creating export compliance related tools, procedures, manuals, training materials, and/or work instructions if necessary
- Classifying products according to applicable European and US export regulations and ensure compliance throughout the process, from feasibility and quoting to order and delivery
- Reviewing quotes/orders to ensure that proper classification is assigned
- Contributing pro-actively to Global Compliance efforts
- Liaison between Compliance, Product Line Management and Sales
- Interpreting various local and global regulatory rules and/or rule changes to assess regional impact and support proper communication through corporate policies and procedures
- Coordinating product evaluation to ensure additional regulatory product compliance

Your profile:
- Minimum Bachelor's Degree in position related subjects or equivalent experience
- Minimum 5 years regulatory compliance-related work experience
- Understanding of high-tech products and industries, e.g. semiconductor, electronics, telecoms etc.
- Knowledge of German (and ideally US) import/export regulations, experience in additional export or customs regulations is a plus
- PC literacy in Excel, Word, Power Point
- Excellent organization, analytical, implementation, communication and presentation skills
- Business fluent in German and English

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To support our efforts within the European market, **Edmund Optics** is looking for a

Sales and Applications Engineer – German speaking (f/m/d) in York (UK)

As part of Edmund Optics' industry-leading customer support team, the Sales and Applications Engineer is responsible for providing technical assistance to our European customers, as well as working in a regionally-focused sales team. Specific tasks include responding to technical inquiries, assisting with product selection for specific applications, basic account management, and handling of OEM opportunities including price calculation and negotiations. It is an internal technical sales position, with occasional travelling to other EO sites, trade shows, and customers.

The role also offers opportunities to participate in side projects, such as writing articles for EO's publications and industry magazines, or designing and building demonstration setups for trade shows to showcase EO's products and capabilities.

The Sales and Applications Engineer is an entry-level position with excellent career opportunities within the Edmund Optics group.

Essential Functions:
- Responding to technical queries and providing technical information
- Assisting customers with product selection
- Handling incoming customer inquiries for modified or custom optics
- Supporting customers and liaising with other departments across global offices
- Participating in projects to support Marketing & Sales

Your profile:
- University degree in a Science or Engineering subject
- Fluent in German and English, both written and spoken
- High-level proficiency with MS Office programs
- Professional demeanour and communication
- Responsive, solution- and action-oriented mindset
- Skills in analyzing data & information

We offer versatile and challenging positions alongside a highly competitive employment package within our dynamic and successful corporation in a growing and future-proof industry. You will have the opportunity to work with highly motivated, self-driven and open-minded colleagues with a great team spirit, and can expect a high level of responsibility and strong impact in an entrepreneurial environment.

Edmund Optics provides a range of employee benefits alongside the salary package including:
- Company pension scheme
- Insurances
- Mobile working opportunity
- Extensive training and development offer
- Subsidized gym membership
- Company events
- ... and a lot more!

If you are interested, please address your application to:

Agnes Helsper
Edmund Optics

For UK:
hr-uk@edmundoptics.co.uk
For Germany:
hr@edmundoptics.de



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To support our efforts within the European market, **Edmund Optics** is looking for a

Sales and Applications Engineer – Italian speaking (f/m/d) in York (UK)

As part of Edmund Optics' industry-leading customer support team, the Sales and Applications Engineer is responsible for providing technical assistance to our European customers, as well as working in a regionally-focused sales team. Specific tasks include responding to technical inquiries, assisting with product selection for specific applications, basic account management, and handling of OEM opportunities including price calculation and negotiations. It is an internal technical sales position, with occasional travelling to other EO sites, trade shows, and customers.

The role also offers opportunities to participate in side projects, such as writing articles for EO's publications and industry magazines, or designing and building demonstration setups for trade shows to showcase EO's products and capabilities.

The Sales and Applications Engineer is an entry-level position with excellent career opportunities within the Edmund Optics group.

Essential Functions:
- Responding to technical queries and providing technical information
- Assisting customers with product selection
- Handling incoming customer inquiries for modified or custom optics
- Supporting customers and liaising with other departments across global offices
- Participating in projects to support Marketing & Sales

Your profile:
- University degree in a Science or Engineering subject
- Fluent in Italian and English, both written and spoken
- High-level proficiency with MS Office programs
- Professional demeanour and communication
- Responsive, solution- and action-oriented mindset
- Skills in analyzing data & information

Edmund 80 YEARS OF OPTICS

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To support our efforts within the European market, **Edmund Optics** is looking for a

Customer Service Advisor (f/m/d) in York (UK)

Excellence in Customer Service and Operations is a critical ingredient of Edmund Optics' leadership for nearly 80 years. In this role, you will have the opportunity to develop your expertise in customer service and directly contribute to this goal. As part of our European Customer Service Team, you will be responsible for customer facing and supporting activities such as processing customer's orders and returns, account creation, credit checking, booking in goods, and providing telephone, fax, and e-mail support to our customers. This support includes responding to general queries, issuing quotations and providing information on existing orders.

Essential Functions:
- Processing orders using SAP
- Providing quotations for standard and custom optics
- Booking in goods and expediting purchase orders
- Providing customer service support via email and telephone
- Communicate actively with the Sales, Supply chain and Finance functions, providing feedback where appropriate
- Follow up customer and internal queries in a timely manner
- Ensure customers' satisfaction

Your profile:
- University degree or equivalent
- Customer service experience
- Fluent level in English, both written and spoken (fluency in any other European language is beneficial)
- Good computer literacy and ability to learn new systems (ideally experience with SAP)
- Strong interpersonal and communication skills
- Strong self-organization skills – able to manage multiple projects simultaneously
- Precision and attention to detail
- Professional demeanour

We offer versatile and challenging positions alongside a highly competitive employment package within our dynamic and successful corporation in a growing and future-proof industry. You will have the opportunity to work with highly motivated, self-driven and open-minded colleagues with a great team spirit, and can expect a high level of responsibility and strong impact in an entrepreneurial environment.

Edmund Optics provides a range of employee benefits alongside the salary package including:
- Company pension scheme
- Private medical and dental insurance
- Mobile working opportunity
- Extensive training and development offer
- Subsidized gym membership
- Cycle to work scheme
- Company events
- ...and a lot more!

If you are interested, please address your application to:

Agnes Helsper
Edmund Optics
hr-uk@edmundoptics.co.uk



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INDUSTRIAL ENGINEERING

Project Engineer Exterior / Interior Lichtsysteme (m/w/d)

Job Description

-Verantwortliche und selbständige Führung des Bauteilumfangs Exterior- / Interior-Lichtsysteme
-Neu- und Weiterentwicklungen von konstruktiven Lösungen
- Betreuung des Bauteilumfangs in den verschiedenen Entwicklungsphasen
-Koordination der projektbezogenen Tätigkeiten bezüglich Technik, Kosten und Termine
-Interne und externe Vertretung der Bauteilumfänge in fachlicher Hinsicht
-Projektbezogene Abstimmung mit Kunden und Lieferanten
-Erstellung von Berichten, Stücklisten, Lastenheften, Dokumentationen und Entscheidungsunterlagen
-Schnittstellenmanagement und Abstimmung mit diversen Projektteams

Your Profile

-Abgeschlossene höhere technische Ausbildung (HTL, FH, Universität) oder Vergleichbares und fachspezifische Kenntnisse bei der Auslegung von Lichtsystemen in der Automobilindustrie
-Kenntnisse und Erfahrung mit CAD-Systemen (CATIA V5 von Vorteil)
-Interesse an der Entwicklung optischer Systeme
-Analytische, strukturierte und selbstständige Arbeitsweise sowie hohe Auffassungsgabe, gepaart mit einem eigenverantwortlichen Arbeitsstil
-Lösungsorientierter und teamfähiger Charakter mit Kommunikationsstärke in deutscher und englischer Sprache
-Reisebereitschaft

Contact Info
jobs@gerger.at

Job

INDUSTRIAL ENGINEERING

Entwicklungsingenieur im Bereich Lichttechnik und Entwicklung optischer Systeme (m/w/d)

Job Description

-Entwicklung von innovativen LED-Lichtsystemen
-Computerunterstützte Simulationen und Berechnungen von Optiksystemen und Projektionsmodulen
-Auslegung, Berechnung und Simulation optischer Elemente im Automotivebereich
-Erstellung relevanter technischer Dokumentationen und Präsentationen
-Ansprechperson für Kunden und Lieferanten
-Mitarbeit bei Prototypenaufgaben

Your Profile

-Abgeschlossene höhere technische Ausbildung (HTL, FH, Universität) oder Vergleichbares, mit dem Schwerpunkt Physik, Mathematik, Elektrotechnik oder Maschinenbau
-Kenntnisse und Erfahrung mit CAD-Systemen (CATIA V5 von Vorteil)
-Erfahrung im Bereich der Optikentwicklung (z.B. Scheinwerfer, Leuchten, Objektive) von Vorteil
-Interesse an der Entwicklung optischer Systeme
-Analytische, strukturierte und selbstständige Arbeitsweise sowie hohe Auffassungsgabe, gepaart mit einem eigenverantwortlichen Arbeitsstil
Lösungsorientierter und teamfähiger Charakter mit Kommunikationsstärke in deutscher und englischer Sprache

Contact Info
jobs@gerger.at

Gründungs garage

Operation Manager/in

Job Description

- Organisation, operative Abwicklung und Weiterentwicklung der Programme in Abstimmung mit dem Vorstand
- Vernetzung der Gründungsgarage in der Startup Community
- Erstellung von PR Content
- Betreuung der Social-Media-Kanäle
- Partner/Mentoren Management

Your Profile

- Leidenschaft für den Support von Startups
- Kenntnis der regionalen Startup-Szene (von Vorteil)
- Unternehmerisches Denken und Handeln (Startup Erfahrung erwünscht)
- Sehr hohe Eigenverantwortung
- Gestaltungswillen und Zielorientierung
- Kommunikationstalent

Contact Info
mail@gruendungsgarage.at

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Infineon

PhD Student Circuit Design Radar

Job Description

The tasks within the thesis will consist of:

- Concept engineering
- Circuit design
- Lab verification
- Documentation and dissemination

The learnings out of the thesis will be/lead to:

- Deep understanding of analog/digital circuit design
- Feasibility study in preparation for use of novel concepts and circuits in future radar products
- Publications (both in scientific journals and international conferences)

Your Profile

-Are eligible for a full-time PhD study
-Have graduated with a master's degree in electronics/electrical engineering, mechatronics or equivalent with a strong specialization in hardware/software co-development
- Are a highly motivated individual striving for in-depth understanding of product development in the semiconductor industry
- Have a deep background in hardware/software co-design
- Are ideally already familiar with chip-level circuit design
- Possess a very good command of English and German

Contact Info
https://www.infineon.com/jobs
Job ID 325098 (Carmen Wernle)

Master Thesis: Evaluation of Control Concepts for a Dynamic Load Emulation Module

Job Description

- Investigate real 3-phase loads and extract mission profiles for the load emulation
- Define the control requirements and additional features together with our Infineon project partners
- Enhance your skills in control design and implement in a Hardware-in-the-Loop (HIL) system
- Test and evaluate the control concepts on our existing HIL environment and load modules
- Gain deeper knowledge about Infineon Smart Power Switches

Your Profile

- A bachelor degree and most of your master courses finished in Electrical Engineering (or similar degree)
- Basic knowledge of automotive and semiconductor applications
- Basic knowledge in the field of power electronics and control systems engineering
- Basic experience with Rapid Control Prototyping (RCP) / Hardware-in-the-Loop (HIL) systems (PLECS/Speedgoat)
- Solid English language skills, German language skills would be a plus

Contact Info
https://www.infineon.com/jobs
Job ID 358711 (Lisa Derhaschnig)

Thesis

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Master Thesis: Battery Management Systems

Job Description

In this work you will focus on methods to accurately estimate the internal temperature of lithium-ion cells using online electrochemical impedance spectroscopy (EIS). Your tasks will include:

- Conducting a literature review on methods for internal temperature estimation using EIS
- Familiarizing with the basics of LIB monitoring (U/I/T) in automotive applications
- Analyzing measurement data in MATLAB or Python
- Identifying characteristic frequencies
- Experimentally validating your results
- Comparing and discussing the applied method with other approaches from the scientific literature
- Documenting your results by writing and submitting your master's thesis

Your Profile

You are a motivated student (f/m/div) in the field of Electronics, Electrical Engineering or similar. You are best equipped for this task if you have:

- Strong interest and motivation in cutting-edge research on lithium-ion cells for battery electric vehicles
- A profound knowledge of lithium-ion cells
- Strong analytical and problem-solving skills
- Experience in MATLAB and / or Python
- Fluent written and spoken English and German skills

Contact Info
https://www.infineon.com/jobs
Job ID 365699 (Nico Steinhauser)

Doctoral Thesis: Multi-charging-mode DC-DC converter in fast EV-charging (E2GO DC9)

Job Description

Research field: Electrical Engineering, Power Electronics
Research Objectives: Design and optimization of isolated DC-DC converters for multi-charging-mode EV fast chargers.
Research Activities: DC9 will first survey and investigate the optimal fast charging modes for EVs that can balance the charging speed and battery degradation. Based on the outcome, DC9 will define, design and optimize the isolated DC-DC converter in fast charger modules according to the selected charging modes, to optimize efficiency across the operating points and reduce manufacturing cost. A strong focus will be placed on the isolated DC-DC topologies studies and their planar magnetic implementations
Employment and Secondment: Enrolled as Ph.D. student at University of Innsbruck (AT) and hired for 18 months with his/her secondment in Silicon Austria Labs GmbH (AT) and for 18 months by Infineon Technologies (AT)

Your Profile

- Creative and ambitious, hard-working, and persistent
- MSc degree in electrical engineering or any other relevant program.
- Theoretical and applied knowledge of power electronics.
- Hands-on experimental experience in power converter circuit design and implementation. Experience with high frequency power magnetics is a big plus.
- Good communication skills and the attitude to participate successfully in the work of a research team
- Fluent English language skills (both spoken and written)

Contact Info
https://www.infineon.com/jobs
Job ID 356587 (Melanie Happerger)

Thesis

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Master Thesis: Implementation of a wafer-level soft switching setup for GaN power transistors

Job Description

- Learn about types and characteristics of advanced power semiconductors, especially GaN high-voltage devices
- Improve your skills in power electronic hardware design, layout and circuit simulation
- Further develop and implement the concept for an automated wafer-level test system together with your senior tutors (PhD students and senior engineers)
- Design, build and evaluate a working hardware prototype
- Document your results by writing and submitting your Master thesis

Your Profile

You are a master student covering the area of (Power) Electronics (Informatics) with a strong ambition for application tests, system (hardware/software) design and making things work. You are also able to:
- Start right away, because you have completed most of your exams
- Provide knowledge and experience in
    - Programming (Python) / HW design (µC)
    - Circuit understanding, spice simulation, PCB designs
- Work and communicate well with our international team in English and/or German

Contact Info
https://www.infineon.com/jobs
Job ID 362552 (Nico Steinhauser)

JOANNEUM RESEARCH MATERIALS

MASTER'S THESIS: Functional Inks for Printed Electronic Devices

Job Description

During your MSc training, you will design and formulate various functional inks for inkjet- and screen-printing and use them to manufacture demonstrators of fully printed wearable devices. You will gain an in-depth understanding of the chemical principles behind functional inks and their respective curing processes. Additionally, you will learn about the instrumental methods used to characterize both the inks and the respective printed materials. Your tasks will include:

- synthesis and/or formulation of metal complexes and small organic molecules
- production of colloidal nanoparticles
- formulation of inkjet or screen printable inks
- optimisation of the curing or post-treatment strategy for functional inks
- characterisation of materials by DSC, TGA, spectroscopy, SEM, goniometry, rheometry, 4-point measurement

Your Profile

- relevant studies (chemistry, process engineering)
- very good knowledge of general, inorganic and physical chemistry
- expertise in organic chemistry, colloidal chemistry, polymer chemistry and chemistry of plastics
- ability to work in an international and multidisciplinary team
- very good knowledge of English
- no advanced knowledge in electronic engineering is required, but inventiveness and a flair for prototyping will be an advantage

Contact Info

PEMBewerbungen@joanneum.at
Krzysztof Krawczyk, PhD

Thesis

JOANNEUM RESEARCH MATERIALS

MASTER'S THESIS: Investigation of Image Acquisition and Illumination Concepts for multispectral Data Acquisition in the circular Economy

Job Description

The work includes the selection and testing of suitable cameras and lenses that provide the necessary spectral characteristics and, at the same time, the lowest possible error high-resolution digital imaging. The multispectral data acquisition of different (recycled) materials such as plastics, metals, wood, etc. requires an analysis of the material properties in the wavelength range of ~200nm - 2500nm. The material analysis is based on thorough literature research with a complementary verification in the image processing laboratory at the DIGITAL Institute of JOANNEUM RESEARCH. The optimization of image acquisition also includes the testing and analysis of different illumination concepts (position of the light source, and arrangements of these or selection of suitable wavelengths). Especially in this area, rapid development steps are currently being made, which form the basis for a broader use of hyperspectral systems.

Your Profile

- Technical or scientific studies
- Experience in C++, Matlab and/or Python
- knowledge in image analysis is an advantage
- Interest in teamwork in a forward-looking research topic

Contact Info

PEMBewerbungen@joanneum.at
DI Dr. Harald Ganster

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JOANNEUM RESEARCH MATERIALS

Scientist/Senior Scientist in the field of Laser Lithography

Job Description

- Collaborate with renowned international partners from research and industry in a funded European project aiming for the development of a disruptive new laser lithography platform
- Work in on-going research and industrial projects in the field of laser lithography
- Working in the laboratory (mostly in the clean room) in the system integration of optics, optomechanics, electronics and lasers
- Create software for controlling the laser lithography system and develop the algorithms and strategies for laser patterning
- Find and establish the processes and recipes for processing the photoresists, test and analyse them
- Fabricate, characterise and analyse of surface structures and determine a strategy for process improvement

Your Profile

- Relevant degree in natural sciences, electronics or engineering (e.g., laser lithography, laser physics, optical microscopy, applied optics, photonics or related field) - PhD would be an advantage
- Excellent experiences and practice working in the lab, in particular in developing an experimental setup in the field of laser technology (e.g. multiphoton lithography or microscopy) and in surface characterisation methods (e.g. REM, AFM, optical microscopy) are advantageous
- LabView, Python and/or MatLab programming experience in physics
- At least 2 years of experience in applied research projects
- Excellent German and English skills
- Ability to work in a team, commitment and customer orientation

Contact Info
PEMBewerbungen@joanneum.at
Ladislav Kuna, PhD

SONNENBERG HARRISON

Trainee Patent Attorney

Job Description

We are looking for trainees for our offices in Munich to train as a patent and trade mark attorney in the following technical fields:

Communications Engineering / Electrical Engineering / Physics.

As part of your training you will deal with all aspects of patent protection as well as trademark and design law in cooperation with the experienced patent attorneys and/or attorneys-at-law.
We offer you a versatile and team-oriented working environment as well as a thorough induction and training to become a patent attorney. We are interested in a long-term relationship and offer good opportunities for personal development leading to a later partnership.

Your Profile

We expect you to be able to quickly familiarize yourself with new facts and to be able to describe them clearly and comprehensibly. You should be able to work independently and in a team. A large part of your work will be done in German or French as well as in English and we expect you to be a native speaker or to have at least a B1 certificate.

Additional knowledge of foreign languages would be an advantage.

Contact Info
bewerbung@shp.law
+ 49 89 23 23 00 (Harald Hofmann)

WILD

Elektronik / Software Entwickler (m/w/d)

Job Description

- Schaltungsdesign (analog und digital) und Layout von elektronischen Baugruppen
- Hardwarenahe Softwareentwicklung
- Erstellung, Verwaltung und Ausgabe von fertigungsrelevanten Unterlagen
- Aufbau und Verifikation von Prototypen, normenkonforme Dokumentation des Entwicklungsprozesses
- Fertigungsüberleitung, Validierung von Serienabläufen, Zusammenarbeit mit Lieferanten
- Kenntnis von relevanten Normen (Medizintechnik und Industrie)
- Zusammenarbeit mit Kunden (Lasten- und Pflichtenhefterstellung, Angebotsausarbeitung, Projektleitung, Controlling)

Your Profile

- Abgeschlossene technische Ausbildung (HTL, FH, TU) im Bereich Elektronik, Elektrotechnik oder vergleichbares
- Mehrjährige Berufserfahrung in der Elektronikentwicklung (Hard- und Firmware)
- Sehr gute Kenntnisse im Umgang mit PCB Entwicklungssoftware
- Sehr gute Programmierkenntnisse (Hardwarenah, Microcontroller, C, C++)
- Kommunikationsstarke Persönlichkeit mit strukturierten Arbeitsstil und analytischen Fähigkeiten
- Agiles Mindset mit Fokus auf Lösungs- und Kundenorientierung
- Sehr gute Deutsch- und Englischkenntnisse in Wort und Schrift

Contact Info
karriere@wild.at
Mag. Andrea Gritsch

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Quality Engineer (m/w/d)

Job Description

- Unterstützung der Projektleiter mit fachlichem Wissen beim Erstellen von Montage-, Prüfungsanweisungen und Prüfprotokollen
- Moderation von Risikoanalysen mittels der FMEA-Methode
- Steuerung und Planung von Prozess-Validierung inkl. Abstimmung mit dem Kunden
- Qualifizierung von Fertigungs- und Montageequipment
- Durchführen von Produktaudits im Haus sowie bei unseren Lieferanten
- Sicherstellung der Einhaltung des Serienüberleitungsprozesses inkl. regulatorische Aufgaben

Your Profile

- Erfolgreich abgeschlossene technische und/oder wirtschaftliche Ausbildung (Matura, FH, TU/WU)
- Kenntnis der branchenspezifischen Qualitätsnormen und -methoden von Vorteil
- Grundkenntnisse im Bereich der Statistik und Methodenkompetenz (Cpk-Analyse, FMEA)
- Gute Englischkenntnisse
- Selbstständiger, exakter und strukturierter Arbeitsstil
- Kommunikative und sozial kompetente Persönlichkeit mit hoher Überzeugungskraft
- Diplomatisches Gespür für eine gelebte Partnerschaft mit Kunden

Contact Info
karriere@wild.at
Mag. Andrea Gritsch

WILD

Business Manager / Kundenlead (m/w/d)

Job Description

- Eigenverantwortliche Leitung von internationalen Kundenprojekten
- Projektsteuerung hinsichtlich Anfrage, Angebot, Verhandlung und Umsetzung komplexer Produktionsvorgaben in Zusammenarbeit mit den betreffenden Abteilungen
- Weiterentwicklung bestehender Standards in Kundenentwicklung und -betreuung
- Enge Abstimmung und Zusammenarbeit mit Einkauf sowie Kalkulationen und Monitoring der Herstellkosten
- Gestaltung von Kundenverträgen und aktives Risikomanagement
- Steuerung des Geschäftes mit Ihren Kunden über Kennzahlen (Umsatz, Rohertrag, Lagerbestand, ...)

Your Profile

- Mehrjährige Erfahrung im (Key) Account Management
- Betriebswirtschaftliches Verständnis, Zahlenaffinität und Verhandlungsgeschick
- Interesse für technische Innovationen und gutes technisches Verständnis
- Problemlösungskompetenz und einen klaren Blick für das Ziel

Contact Info
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Mag. Andrea Gritsch

Job
WILD

Technischer Einkäufer (m/w/d) Bereich Mechanik und/oder Elektronik

Job Description

- Beschaffungsmarktbeobachtung inkl. Identifikation von Trends, Chancen und Risiken mit dem Technologieschwerpunkt Mechanik / Elektronik
- Verantwortung für die Weiterentwicklung und Umsetzung der Teilegruppenstrategie zum Aufbau der richtigen Partner
- Auswahl, Aufbau, Bewertung und Weiterentwicklung von neuen und bestehenden Partnern im Bereich Mechanik / Elektronik
- Vertragsmanagement (Vertragsvorbereitung, Verhandlung)
- Enges Vernetzen und Zusammenwirken mit den Bereichen Vertrieb, Produktentwicklung, Einkauf und Produktion
- Intensive Vernetzung intern und extern zum Aufbau effektiver und innovationsorientierter Lieferantenbeziehungen

Your Profile

- Abgeschlossene technische oder kaufmännische Ausbildung (LAP, HTL, FH, UNI)
- Erste relevante Berufserfahrungen in einem Industrieunternehmen
- Sehr gute analytische und konzeptionelle Fähigkeiten sowie ein gutes Prozessverständnis
- Hohe Lernbereitschaft und Selbstentwicklung
- Ausgeprägte netzwerkorientierte Persönlichkeit mit sicherem Auftreten sowie ausgeprägte Kommunikations- und Verhandlungsstärke
- Teamorientiert, proaktiv, dynamisch und umsetzungsstark
- Sehr gute Deutsch- und Englischkenntnisse

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Electronic Hardware Developer (m/w/d) Medizinprodukte

Job Description

- Leitung von Entwicklungsprojekten für Medizinprodukte mit Elektronikschwerpunkt
- Enge Zusammenarbeit mit Kunden im Zuge des Requirement und Risks-Managements
- Normkonforme Dokumentation des Entwicklungsprozesses sowie der Ergebnisse
- Aufbau und Verifikation von Prototypen
- Begleitung von Verifizierungs- und Validierungstests bei Kunden und akkreditierten Stellen

Your Profile

- Abgeschlossene technische Ausbildung (HTL, FH, TU) im Bereich Elektrotechnik, Mechatronik, Informatik mit mehrjähriger Berufserfahrung
- Sehr gute Kenntnisse in Elektronik-CAD-Systemen (bevorzugt Altium Designer)
- Gute Kenntnisse von Simulations-Tools (LT-Spice, Tina-TI, etc. ...)
- Gute Kenntnisse von UML/SysML oder ähnlichen Modellierungssprachen
- Erfahrung im analogen & im digitalen Schaltungsdesign (Low- & High-Power Schaltregler, Low Noise Signal Chain, Regelungssystem)
- Gute Deutsch- und Englischkenntnisse in Wort und Schrift
- Erfahrung in der Fertigungsüberleitung von Elektronikbaugruppen
- Erfahrung im Aufbau & Rework von komplexen Elektronikbaugruppen
- Erfahrung mit Versionsverwaltungssystemen (SVN oder ähnliche)
- Hohes Maß an Kommunikations- und Organisationsvermögen
- Strukturierter und analytischer Arbeitsstil
- Erfahrung in der Leitung von Elektronik Entwicklungsprojekten

Contact Info
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Mag. Andrea Gritsch

Job

WILD

Konstrukteur (m/w/d) Mechanische Systeme

Job Description

- Umsetzung technischer Konzepte in 3D-Modelle und Produktionszeichnungen
- Enge Abstimmung mit der Produktion, dem Entwicklungsteam und externen Partnern
- Schnittstelle zur Projektleitung und dem Projektleitung hinsichtlich Entwicklung, Berechnung und Versuch
- Technische Dokumentationen und Qualitätssicherung der Arbeit
- Mitarbeit und Optimierung der CAE-Abläufe im Unternehmen

Your Profile

- Abgeschlossene technische Ausbildung (HTL, FH, TU) im Bereich Maschinenbau, Mechatronik oder eine vergleichbare Fachrichtung
- Konstruktionserfahrung im Bereich der mechanischen, optischen und/oder medizinischen Systemen
- Erfahrung in einem oder mehreren 3D CAD-Tools
- Wissen im Bereich FE-Analyse und CFD-Methoden idealerweise auch Erfahrung in der praktischen Anwendung
- Verständnis in der Serienproduktion und Einsatz konventioneller Fertigungsmethoden
- Wissen im Bereich additive Fertigung und Interesse am Aufbau weiterer Kompetenzen
- Erfahrung im Bereich der Medizintechnik oder optischen Technologien von Vorteil
- Kreative und lösungsorientierte Persönlichkeit als Teamplayer mit hoher Sozialkompetenz
- Sehr gute Deutsch- und Englischkenntnisse

Contact Info
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Mag. Andrea Gritsch

WILD

Mitarbeiter Lackierung (m/w/d)

Job Description
- Verarbeitung von verschiedenen Lacksystemen auf komplexen Bauteilen
- Lackieren von Struktur- und Dickschichtlacken sowie Basislacken und Klarlacken von verschiedenen Untergründen
- Grundieren und Lackieren mit Becherpistole und Airmix-Gerät
- Sicherstellung der qualitativ hochwertigen Oberflächenqualität
- Vorbereitende Bearbeitung der Flächen und Untergründe zur Beschichtung (z.B. Reinigung, Spachteln und Schleifen)

Your Profile
- Abgeschlossene Ausbildung als Industrielackierer, Fahrzeuglackierer, Maler und Lackierer oder eine vergleichbare Ausbildung
- Technisches Verständnis für das Arbeiten nach Zeichnungen und Arbeitsunterlagen
- Kenntnisse im Umgang mit Gefahrenstoffen/Gefahrgütern und in der Arbeit nach
- technischen Zeichnungen
- Selbstständige, sorgfältige, saubere und präzise Arbeitsweise
- Gute Deutschkenntnisse in Wort und Schrift
- Bereitschaft zum Schichtdienst und zur Mehrarbeit

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Mitarbeiter Montage (m/w/d) Medizintechnik & optische Technologien

Job Description
- Eigenverantwortliches Arbeiten in Montagetätigkeiten im Bereich optomechatronischer Baugruppen, Systemen und Geräten
- Proaktives Mitgestalten von bestehenden Abläufen und Prozessen
- Montieren nach Montageanweisung und Richtlinien mit allen notwendigen Prüfungen

Your Profile
- Abgeschlossene technische Ausbildung (LAP) oder erfolgreich absolvierte Fachschule/HTL mit Schwerpunkt Mechatronik, Elektrotechnik oder gleichwertiges
- Industrieerfahrung im Bereich Metalltechnik oder Elektronik/ Elektrotechnik
- Idealerweise Erfahrung in der Montage von mechatronischen oder feinmechanischen Baugruppen bzw. Komplettgeräten
- Hohes Qualitätsbewusstsein sowie präzises und genaues Arbeiten
- Teamfähige Persönlichkeit und flexible Einsatzbereitschaft

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WILD

Projektleiter System Engineer (m/w/d)

Job Description
- Projektleitung von interdisziplinären Teams (Koordination von internen und externen Partnern)
- Enge Zusammenarbeit und Abstimmung mit Kunden (Lasten- und Pflichtenhefterstellung, Angebotsausarbeitung, Projektleitung und Controlling)
- Erarbeitung der Systemarchitektur unter Einbeziehung der normativen und regulatorischen Vorgaben
- Verantwortung für die Dokumentation im Bereich Regulatory Affairs Medizinprodukte sowie enge Abstimmung und Zusammenarbeit mit dem Qualitätsmanagement
- Koordination der Fertigungsüberleitung und Zusammenarbeit mit Lieferanten
- Erstellung und Weiterentwicklung von Verfahrensanweisungen und Validierung von Serienabläufen

Your Profile
- Erfolgreich abgeschlossene technische/naturwissenschaftliche Ausbildung (HTL, FH, TU)
- Sehr gute Kenntnisse und Verständnis im Projektmanagement – von der ersten Idee bis zur Serie (bevorzugt Medizinprodukte oder optisch/ elektronische Baugruppen und Systeme)
- Idealerweise Kenntnisse der regulatorischen Anforderungen bei Medizinprodukten
- Erfahrung in der Zusammenarbeit mit externen Entwicklungs- und Fertigungspartnern
- Methodenkompetenz im Projektmanagement, Anforderungsmanagement und System Design
- Souveränes Auftreten gegenüber Kunden auch im internationalen Kontext sowie ausgeprägte kommunikative Fähigkeiten
- Kreativer und lösungsorientierter Teamplayer mit hoher sozialer Kompetenz

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Job
WILD

Mitarbeiter Montage (m/w/d) - Innendienst - Medizintechnik & optische Technologien

Job Description
- Eigenverantwortliches Arbeiten in Montagetätigkeiten im Bereich optomechatronischer Baugruppen, Systemen und Geräten
- Proaktives Mitgestalten von bestehenden Abläufen und Prozessen
- Montieren nach Montageanweisung und Richtlinien mit allen notwendigen Prüfungen für unsere Serienfertigungen

Your Profile
- Abgeschlossene technische Ausbildung (LAP) oder erfolgreich absolvierte Fachschule/HTL mit Schwerpunkt Mechatronik, Elektrotechnik oder gleichwertiges
- Industrieerfahrung im Bereich Metalltechnik oder Elektronik/ Elektrotechnik
- Idealerweise Erfahrung in der Montage von mechatronischen oder feinmechanischen Baugruppen bzw. Komplettgeräten
- Hohes Qualitätsbewusstsein sowie präzises und genaues Arbeiten
- Teamfähige Persönlichkeit und flexible Einsatzbereitschaft

Contact Info
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Mitarbeiter für Buchhaltung und Rechnungswesen (m/w/d) - Teilzeit 25h

Job Description

- Verbuchung der laufenden Ein- und Ausgangsrechnungen sowie des Zahllaufs, Belegorganisation und Überwachung des Mahnwesens
- Monatliche Meldungen an das Finanzamt (UVA, ZM) inkl. Korrespondenz zu den Behörden
- Mitarbeit bei der Monatsberichterstattung
- Jahresabschlussarbeiten inkl. Unterstützung bei der Wirtschaftsprüfung
- Schnittstelle zu internen und externen Ansprechpartnern in allen buchhalterischen Belangen

Your Profile

- Abgeschlossene kaufmännische Ausbildung (HAK, HLW oder Vergleichbares) sowie Bilanzbuchhalterprüfung
- Mehrjährige Berufserfahrung in der Buchhaltung
- Sehr gute Kenntnisse in den Bereichen Bilanzierung und Umsatzsteuerrecht
- Genaue und strukturierte Arbeitsweise und ausgeprägte analytische Fähigkeiten
- Teamfähige Persönlichkeit und Kommunikationsstärke
- Verlässlichkeit und unternehmerische Denkweise

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Oberflächentechniker (m/w/d)

Job Description

- Steuerung, Regelung, Bedienung und Überwachung der oberflächentechnischen Anlagen und deren Abläufe inklusive Badpflege und Korrekturen
- Durchführung analytischer Kontrollen bei Prozessbädern, Abfällen, Abwässern und Chemikalien in Zusammenarbeit mit Bereichsleitung und Mitarbeitern
- Planung von prozessoptimierender Gestellbestückung sowie Bestückung von Werkstücken auf spezielle Galvanisiervorrichtungen
- Abnahme, Kontrolle und Bewertung der Werkstücke
- Anlage und Pflege von Artikeldaten in der Anlagensteuerung
- Vor- und Aufbereitung der galvanischen Bäder
- Überwachung der automatisierten Galvanikanlage
- Prozesskontrolle der Galvanisierung/Beschichtung (Badchemie, Schichtdicke, Schichthaftung,

Your Profile

- Abgeschlossene Ausbildung im Bereich Oberflächentechnik mit Schwerpunkt Galvanik
-Erfahrung im Umgang mit Messmittel
-Vertraut im Umgang mit Chemikalien und Giften
-Eigenständige, strukturierte und genaue Arbeitsweise
-Kommunikations- und Teamfähigkeit Bereitschaft zur Schichtarbeit

Contact Info
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Mag. Andrea Gritsch

JOB

Application Engineer (f/m/d) in an innovative high-tech company with a lot of creative freedom!

JOB DESCRIPTION

- **Technical feasibility studies** and **application trials** in the laser acoustic lab
- Participation in exciting projects in the **automotive and aerospace industry**
- Implementation of laser acoustic **measurements and training at the customer's location**
- **Independent business initiation** through to successful completion
- Preparation of **project documentation**
- Handling of **customer inquiries**
- Definition of concepts for **individual client solutions**
- Presentation at **trade fairs and scientific conferences** as well as on site at the customer's site

YOUR PROFILE

- Your level of **fascination** for groundbreaking innovations and the willingness to deal intensively with a **new type of acoustic technology**
- Completed or almost completed **university degree** in **physics, electrical engineering, mechanical engineering** etc.
- Preferably relevant professional **experience in the high-tech field**
- High degree of **flexibility** and **creativity** in a start-up environment
- **Programming skills** advantageous
- **Independent** way of working
- Preferably existing knowledge in **laser technology and acoustics**
- Excellent knowledge of spoken and written **German** and **English**
- Willingness to **travel worldwide**

For this position, a monthly **minimum salary of EUR 2,441.49 (full-time)** would be provided by the collective agreement. However, we offer a **market-compliant payment or increase** depending on qualifications and professional experience.

xarion laser acoustics

XARION Laser Acoustics is a young high-tech company based in Vienna. The patented laser-based sensor technology is unique and has received major international awards.

XARION offers innovative solutions in non-destructive ultrasonic material testing and industrial process monitoring. Industry-leading companies from the semiconductor, aerospace and automotive industries such as Porsche, Airbus, Deutsche Bahn or TOTAL use our sensors in solutions.

JOB

Junior Industry Software Developer (f/m/d) getting the chance to shape the success of a groundbreaking technology!

JOB DESCRIPTION

- Conception, structuring, and implementation of **sequential control, interface programming** and **data evaluation**
- Support in the **conception of programming projects** within fascinating industries (automotive, semiconductors, aerospace...)
- Management of the **source code in repositories**
- Creating **test and build environments**
- Writing **software documentation** and **customer manuals**
- **Verification and validation of software** according to customers' demand
- Point of intersection between project stakeholders

YOUR PROFILE

- Your **fascination** with an innovative invention and desire to engage yourself intensively **with this technology**
- Professional knowledge in **Python** and **C/C++**
- **Structured** and **analytical** method of operation
- **Willingness to learn professional software development** in an industrial environment
- Experience in the **implementation of programming projects** (if private)
- Experience in software development with modern **software stack on Windows**, Linux is a plus
- Experience with **UI design** is a plus

For this position, a monthly **minimum salary of EUR 3,000.00 (full-time)** would be provided by the collective agreement. However, we offer a **market-compliant payment or increase** depending on qualifications and professional experience.

We offer a full-time position in a young, highly interesting work environment with attractive pay. Our small company structure enables extraordinarily quick decision-making processes.

Every employee is given a great deal of freedom and responsibility for their area and plays a central role in the company's success.

If you are enthusiastic about one of these challenging jobs, we look forward to receiving your **e-mail application**, stating your availability, to:



XARION Laser Acoustics
Ghegastrasse 3
1030 Vienna
Martin Wallner
m.wallner@xarion.com

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