


Wednesday, 13 March 2024

08:30

 12th UPOB Workshop 2024 Asphere Metrology - 2 days

Special Event

Rahmenprogramm

W3+ Fair



09:00

 IHK-Tagung KI


Special Event

Rahmenprogramm

W3+ Fair



09:45

 **Begrüßung und Podiumsrunde**

Moderation: Iris Baar

Pressesprecherin und Leiterin

Öffentlichkeitsarbeit

IHK Lahn-Dill

Stefan Sauer

Staatssekretär

Hessisches Ministerium für Digitales und

Innovation

Dr. Rainer Waldschmidt

Geschäftsführer

Hessen Trade & Invest GmbH

Dr. Christoph Ullrich

Regierungspräsident

Regierungspräsidium Gießen

Manfred Wagner

Oberbürgermeister

Stadt Wetzlar

Dr. Felix Heusler

Präsident der IHK Lahn-Dill &

Geschäftsführer und Gesellschafter

Isabellenhütte Heusler GmbH & Co. KG

11:00

 **Another boost to lithographic resolution - from optical design to AI enabling chips**

Dr. Toralf Gruner

Principal optisches Systemdesign

Carl Zeiss SMT GmbH



Moderation:

Iris Baar – IHK Lahn-Dill

Sabine S. Groth – Hessian State Chancellery


Gert Homm – Fraunhofer IWKS

Carlos Lee – EPIC

Dr. Frank Nürnberg – Heraeus Quarzglas GmbH & Co. KG

Dr. Horst Sickinger – OptecNet Germany

Carsten Jens – former Hessian Radio

 Official Opening

 Visions of the future from Middle Hesse

 Hessen in Space - New Business Opportunities


 Fusion Energy supply chain challenges in Germany

 Management Keynote

 EPIC TechWatch

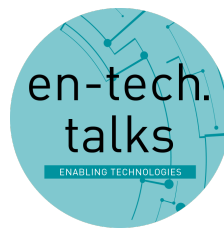
 Innovations in Optics & Photonics

 TeamMit Live - Automotive Networking Meeting

 New Technologies and Applications

 Special Events

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High-tech Conference
Free entry



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CONVENTION
WETZLAR

11:20

 **Optics Extreme**

Dipl.-Ing. Matthias Pfaff

VP SBA Precision Optics

OptoTech Optikmaschinen GmbH



11:40

 **Geschichte & Entwicklung von asphärischen Linsen bei der Leica Camera AG**

Dipl.-Ing. Peter Karbe

Senior Managing Expert Optics

Leica Camera AG



12:00

 **Wärmepumpen-Hybride - Ein wichtiger Baustein in Richtung Klimaneutralität**

Dr. Armin Marko

Product Owner Wärmepumpen-Hybride

BOSCH Home Comfort Group



BOSCH

12:20

 **Ultradünne Beschichtungen in der Halbleiterindustrie: Wie die flächenselektive Atomlagenabscheidung die Miniaturisierung von Chips vorantreibt**

Prof. Dr. Sangam Chatterjee

Leiter der AG Spektroskopie und Optik

Justus-Liebig-Universität Gießen



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Gert Homm – Fraunhofer IWKS

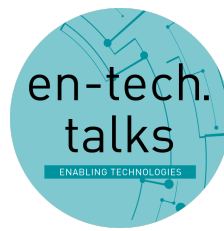
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13:30

 **Hessen in Space: New Business Opportunities**

Sabine S. Groth

Leiterin der Geschäftsstelle des
Raumfahrtkoordinators der Hessischen
Landesregierung
Hessische Staatskanzlei



13:40

 **Podiumsdiskussion: Hessen in Space**

Prof. Dr. Johann-Dietrich Wörner

Raumfahrtkoordinator der Hessischen
Landesregierung
Hessische Staatskanzlei

Dr. Thomas Reiter

Ehem. Raumfahrer, Brigadegeneral a.D. der
Luftwaffe, ehem. ESA-Direktor
sowie Berater des ESA-Generaldirektors.

Prof. Dr. Peter Klar

Universitätsprofessor
Justus Liebig Universität/ I. Physikalisches
Institut

Dr. Henrike Jakob

PostDoc, Fachbereich Gasturbinen, Luft-
und Raumfahrtantriebe
Technische Universität Darmstadt

Emre Dinler

Senior Manager Aviation and Space
Harmonic Drive SE

14:25

 **Hessen in Space - Get-together**

Special Event

Rahmenprogramm
W3+ Fair



14:30

 **Fusion – vom Experiment zum Kraftwerk**

Dr. Christian Hinke

Managing Director, Research Campus
Digital Photonic Production and Managing
Director, Chair for Laser Technology
RWTH Aachen



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14:50

Laser Fusion

Dr. Erhard Gaul

Director Laser Systems'
Marvel Fusion GmbH



15:10

Laser Fusion

Prof. Dr. Markus Roth

Chief Science Officer
Focused Energy



16:00

KI als CEO - Fiktion oder bald Realität?

Prof. Dr. Michael Guckert

Professur für Wirtschaftsinformatik -
Künstliche Intelligenz
THM Technische Hochschule Mittelhessen



16:00

Zukunftsthema Fusionsenergie - Diskussionsrunde
„Heraeus Fusion Coffee“

Special Event

Rahmenprogramm
W3+ Fair



Thursday, 14 March 2024

10:00

Welcoming words

Carlos Lee

Director General
EPIC



10:05

Improving diagnostics products sensitivity by using
Acktar's ultra-black, non-fluorescent coatings

Alexander Telle

CEO
Acktar (ACM Coatings GmbH)



10:15

Laser Microjet® : a Solution for Lab Grown Diamond
Processing

Amédée Zyrd

Technical Director
Synova S.A.



10:25

Functional Two-photon 3D Printing for Optics: Multi-
materials Processing Made Easy

Dr. Robert Kirchner

CEO
HETEROMERGE



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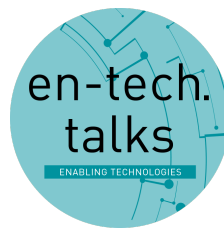
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O/LED-on-Silicon for Microdisplays and Embedded Sensing

Uwe Vogel

Division Director Microdisplays and
Sensors, Deputy Director
FRAUNHOFER IPMS



10:45

Flexibility in Laser Development through Point-of-Load Converters

Markus Bartram

CEO (Germany)
PicoLAS



10:55

Dynamic Beam Shaping Technology that Accelerates Laser Cutting Speeds and Improves Cut Quality

Immanuel Burkhardt

CTO and Mechanical Design (Germany)
ROBUST AO



11:05

Do I Really Need a Customized Lens for my Application?

Carolin Münzberg

Managing Director (Germany)
Photonics Precision Engineering



11:15

Novel NDIR Sensors for Multi-Gas Sensing

Dr. Oliver Pust

Head of Sales
m-u-t



11:25

Closing remarks

Carlos Lee

Director General
EPIC



11:30

Die Zukunft der Photonik in Europa

Markus Wilkens

Coordinator EU CSA
Photonics21



11:50

Partizipative Forschungsideen für die Industrie

Dr. Markus Safaricz

Geschäftsführer
Forschungsvereinigung Feinmechanik, Optik
und Medizintechnik e. V. (F.O.M.)



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 **Neurostimulation mit Licht im alltagstauglichen Format für Gesundheit und Unterhaltung**

Philipp Caspari
Co-Founder & CEO
Healyan GmbH

13:00

 **TeamMit Live - Automotive Netzwerktreffen**

Jürgen Pieper
Ehem. Director Research
Senior Advisor Automobiles Bankenhaus
Metzler / Heute Freiberuflicher Analyst,
Berater und Zukunftsforscher

13:30

 **Einführung Entwicklung Transformationsstrategie - Zwischenstand und Benchmarking**

Prof. Dr. Michael Stephan
Leiter des Instituts für Technologie- und Innovationsmanagement, Philipps-Universität Marburg
Geschäftsführender Direktor MAFEX, Marburger Institut für Innovationsforschung und Existenzgründungsberatung, Mitglied im Innovationsrat des Landes Hessen

14:30

 **Der Weg zur CO2-Neutralität**

Holger Dietz
Senior Key Account Manager
Janitza electronics GmbH

Janitza®

14:45

 **Technologie verändert alles**

Daniel Lugner
Chief Sales Officer
OPTIMAL SYSTEMS GmbH



15:00











 **Einsatz von KI in der Pollen-Erkennung**

Dr. Jörg Haus
Produktmanager Instrumente
Helmut Hund GmbH



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15:15

 **Automated inspection, adjusting and assembly for critical alignment optical assemblies**

Dr. Roland Goschke

Head of Sales
DIOPTIC GmbH

DIOPTIC
creating optical solutions

15:30

 **Prozessorientierte Reinigung aus Sicht eines Anwenders**

Michael Onken

Market Development Manager
SAFECHEM Europe GmbH

 **SAFECHEM**
be responsible

Andreas Netz

Sales Manager
UCM AG | Member of the SBS Ecoclean
Group

 **SAFECHEM**
be responsible

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