Materials Science Transfer

In the Materials Research Department researchers from various disciplines develop novel materials with previously untapped properties, cooperating with international research institutions.

The Incubator Materials forms part of the start-up consulting network at RUB, the Worldfactory Start-up Center (WSC), promoting *sciencepreneurs* with innovations in materials science.

Stay in touch

You are interested in transfer and want to become part of the ecosystem?

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Upcoming Events in 2022

13th June	#ruhrFounder, ruhrSUMMIT pre-event at RUB
14th June	ruhrSUMMIT, Germany's largest B2B event
20th June	Materials Day & 1st MRD Members Assembly
29th August	Materials Chain International Conference
28th October	Young Materials Researchers Day

MRD Industry Day 2022

Research from University to Industry

May 12th, 2022

ZGH, Ruhr-Universität Bochum

Materials Research Department

MATERIALS ENGINEERING SCIENCE

Materials Research Department

Schedule

MATERIALS ENGINEERING SCIENCE — part of WORLD FACTORY — powered by START-UP CENTER

08:45 – 09:20	Registration
09:20 – 09:30	**Ralf Drautz –** *Materials Research Department, RUB* Opening
	Session 1: Additive Manufacturing – Session Chair: Jan T. Sehrt
09:30 – 09:55	**Robert Ortmann –** *Hybrid Additive Manufacturing, RUB* Automated Qualification of Process Parameters for Laser Powder Bed Fusion
09:55 – 10:20	**Julian Krell –** *ThinkIng - Additive Technology GmbH* Engineering Challenges in Creating an Additive Manufacturing Business
10:20 – 10:45	**Liang Wu –** *voestalpine Additive Manufacturing Center GmbH* Materials Science Findings as a Guide for the Industrial Application of Laser Powder Bed Fusion - A Comprehensive Discussion Using the Example of a High-Carbon Hot-Work Tool Steel
10:45 – 11:05	Coffee Break
	Session 2: Materials Chemistry – Session Chair: Anjana Devi
11:05 – 11:30	**Wolfgang Schuhmann –** *Analytical Chemistry, RUB* New Electrocatalysts for Energy Conversion Reactions - What We Learn from Single Entity Nanoelectrochemistry
11:30 – 11:55	**Olga Krysiak –** *xemX* Material Space Exploration: Data-Driven High-Throughput Experimentation for Electrocatalysts Discovery
11:55 – 12:20	**Florian Huber –** *hte GmbH* hte GmbH – Enhancing Materials R&D for Industrial Catalysis and Renewable Applications
12:20 – 13:20	Lunch Break
	Session 3: Plasma and Laser Technologies – Session Chair: Peter Awakowicz
13:20 – 13:45	**Friederike Kogelheide –** *Electrical Engineering & Plasma Technology, RUB* Plasma – A New Form of Therapy for Chronic Wounds?
13:45 – 14:10	**Alexander Kanitz –** *LIDROTEC GmbH* University Spin-off: Becoming a Global Player out of the Ivory Tower
14:10 – 14:35	**Marcel Schulze –** *SENTECH Instruments GmbH* Plasma Fabrication Process of Laser Devices and in-situ Process Control
14:35	**Ralf Drautz –** *Materials Research Department, RUB* Transition

Worldfactory Afternoon:

From University Project to Hardware Start-up to International Joint Venture

14:35 – 15:20	Coffee Break & Virtual Makerspace Tour
	Interview with Christian Großmann – Host: Anne Plitt
15:20 – 16:00	**Christian Großmann** from Ingpuls Medical GmbH will take us on his journey from PhD student to successful co-founder now turning the medical world upside down with shape memory alloys.
16:00 – 16:20	Q&A with Christian Großmann
16:20	End of Event

Partners

Materials Chain UA RUHR — ICAMS Interdisciplinary Centre for Advanced Materials Simulation — ZGH — Ruhr Universität Bochum — RUB