

## Sehr geehrte Damen und Herren,

a sustainable future is indisputably the topic for current research. Central elements of this are deciding how the transition to clean forms of energy should be achieved, the transformation towards the circular economy and maximum efficiency in the use of resources. With its **core competences of smart systems, digital technologies and sustainable materials**, the UAR Innovation Network is a strong partner for innovation in these fields. In our **series of features, #DiversityInScience**, researchers from the UAR Innovation Network provide insights into pioneering innovation projects and the work they involve.

### Milestones in research

Before the end of the year, the UAR Innovation Network was delighted to mark a number of milestones that put the spotlight on outstanding projects and especially on exceptional researchers. The work done by **Dr. Irmela Kofler** on carbon-neutral steel production was recognized with the **RFT OÖ Young Scientist Award 2022**. In a recently broadcast **TV report** the scientist talks about her work and her personal motivation.

For the coming Christmas holidays we wish you a relaxing time and enjoyable hours with your family and, most importantly, that you stay safe! We look forward to continuing our successful partnerships in 2023.

Best wishes,

DI Dr. Wilfried Enzenhofer, MBA

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## CURRENT TOPICS

**UAR** INNOVATION  
NETWORK

### PROFACTOR

#### WOMEN REVOLUTIONIZE THE MANUFACTURING INDUSTRY

A major asset of European industry amid global competition is outstanding quality. To remain competitive, costs must be cut while the principles of efficiency and sustainability in production are followed. To meet these demanding requirements, work of the very highest quality is necessary. PROFACTOR is carrying out research with industry and for industry into the technologies

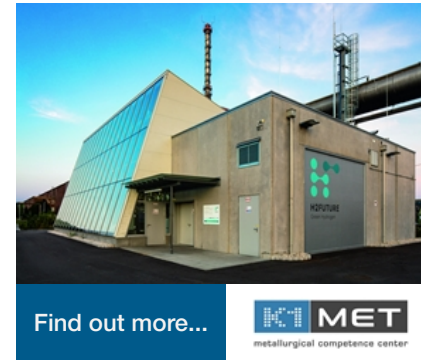
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required to achieve high-quality production, as two researchers explain.

## K1-MET

### IN SEARCH OF CLEAN STEEL

A sustainable future is indisputably the topic for current research. Central elements of this are deciding how the transition to clean forms of energy should be achieved and promoting the decarbonization of industry. The K1-MET centre of excellence for metallurgy has made clean steel production its mission and is researching the use of green hydrogen in steel production. In this article researchers talk about their work.



## SCCH

### SUPERCOMPUTER IN HAGENBERG UP AND RUNNING

At Software Competence Center Hagenberg (SCCH) a significant milestone has been reached in the advancement of innovation and technology. The high-performance cluster (HPC) began operation. It is among the first in Europe to have an integrated HPE Apollo 6500 Gen10 Plus System. The constantly increasing amounts of data in projects and complex AI applications can be managed more efficiently and quickly by HPCs, since they are designed as high-performance systems.



## MILESTONES IN RESEARCH



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**K1-MET**  
**RFT Upper Austria honors**  
**Irmela Kofler**



Find out more...



**TCKT, SCCH**  
**"Podium position" at the**  
**Upper Austrian Innovation**  
**Award 2022**



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**SCCH**  
eAward für Projekt „AI helps with childlessness“



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ACR Innovation Award for PVRe<sup>2</sup>



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**WEBINAR-SERIES: NON-DESTRUCTIVE TESTING**

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**CURRENT EVENTS**

## CAREER

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