

● OTH Amberg-Weiden, Kaiser-Wilhelm-Ring 23, 92224 Amberg

To all future and current partners of OTH
Amberg-Weiden in ORC research and
application

Amberg, 20/02/19

Ihr Zeichen, Ihre Nachricht vom

Unser Zeichen

Durchwahl

E-Mail

Zi.-Nr.

Invitation

**„Recent ORC Research and Applications in Central and Eastern Europe“,
27/28 June 2019,**

at the Ostbayerische Technische Hochschule (OTH) Amberg-Weiden, Amberg Campus

Dear Sir or Madam, Dear Colleagues and Partners,

Since its foundation 25 years ago, our university has been researching and developing sustainable energy solutions. In 2012, we officially launched our Centre of Excellence for Cogeneration Technologies (CECoGen). Organic Rankine Cycles, in particular ORC expanders, have been and continue to be one of our main areas of activity. Due to our geographical location in northeast Bavaria, we attach particular importance to research and development partnerships in central and eastern Europe.

In the meantime we are quite proud of our ORC network with research institutions and companies in the Czech Republic, Poland and of course Bavaria. In order to maintain these partnerships and above all to find new partners, we would like to invite you to our ORC seminar on 27 and 28 June at OTH Amberg-Weiden in Amberg. The program (subject to change) can be found in the appendix.

The participation in the seminar is free of charge. Our Competence Centre for Central and Eastern Europe will also provide free overnight accommodation for lecturers and university members. We kindly ask you for your registration by the 31st of March. Due to organizational and technical reasons, the number of participants is limited. We ask for your understanding. If you have any further questions, please contact orc@oth-aw.de.

Kind regards from the Upper Palatinate!



Prof. Dr.-Ing. Andreas P. Weiß
Representative of the CECoGen



Marian Mure, M.A.
Manager of the Competence
Center for Central and Eastern Europe

25 Years of OTH Amberg-Weiden – 25 Years Research for Clean Energy

„Recent ORC Research and Applications in Central and Eastern Europe”, 27/28 June 2019, at the Ostbayerische Technische Hochschule (OTH) Amberg-Weiden, Amberg Campus

**Competence Centre Bavaria – Central and Eastern Europe
Interreg Projects Ziel ETZ #53 & #90**

Program

(20/02/19)

Language: English

Thursday, 27/06/19

- | | |
|---------------|---|
| 11:00 - 12:00 | “Welcome Reception”, registration, get-together with some drinks and sandwiches, luggage drop-off |
| 12:00 - 12:30 | Welcome address by the president of the Ostbayerische Technische Hochschule Amberg-Weiden (UAS), Prof. Dr. Andrea Klug |
| 12:30 - 12:45 | Introduction of the OTH Competence Center Bavaria - Central and Eastern Europe, Marian Mure |
| 12:45 - 13:15 | Introduction of the Center of Excellence for Cogeneration Technologies, Dipl.-Ing. Raphael Lechner, M.Sc. |
| 13:15 - 14:00 | Invited speech: Prof. Dr.-Ing. Dieter Brüggemann, Centre of Energy Technology/University Bayreuth, “The Organic Rankine Cycle – a journey through time from its historical milestones to its future role in our energy system” |
| 14:00 - 14:30 | Coffee break with open discussion |
| 14:30 - 16:00 | Five Presentations – University and Industry Partners will introduce their ORC research and developments, their competences, their needs and expectations
Dr. Florian Heberle, Centre for Energy Technology/University Bayreuth, “From cycle efficiency to physical property – comprehensive analysis of ORC working fluids by theoretical and experimental methods”
Dr. Piotr Klonowicz, Institute of Fluid Flow Machinery, Polish Academy of Sciences, “Turbomachinery expertise at IMP Gdansk”
Dipl.-Ing. (FH) Florian Stadler, UAS Viechtach, “ORCODILE – Customized Waste Heat Recovery Solutions”
Ing. Tomáš Syka, Ph.D., New Technology Centre/UWB Pilsen, CFD Simulations of ORC Turbines
Ing. Petr Novotný, University Centre of Energy Efficient Buildings/CTU Prague, “Micro CHP Commercialization, 3D printed turboexpanders and other ORC development at the CTU” |
| 16:00 - 18:00 | Short excursion to DEPRAG SCHULZ GMBH u. CO. Amberg: “Development, Manufacturing and Application of the “Green Energy Turbine””, Dipl.-Ing. (FH) Josef Hauer |
| 18:00 - 19:00 | Free time for a walk through the medieval town centre back to university |
| 19:00 - 22:00 | Common dinner – “Bavarian Evening” on OTH Campus or in the winter garden of our canteen (depending on weather). Dinner speech “William John Macquorn Rankine – the man who understood the steam engine” by Marian Mure |

Accommodation in close proximity to the university



Ziel ETZ | Cíl EÚS
Freistaat Bayern –
Tschechische Republik
Česká republika –
Svobodný stát Bavorsko
2014 – 2020 (INTERREG V)



**Europäische Union
Evropská unie**
Europäischer Fonds für
regionale Entwicklung
Evropský fond pro
regionální rozvoj



Friday, 28/06/19

- 09:00 - 09:15 Welcome back, conclusion of the first day, Marian Mure, Prof. Dr. Andreas P. Weiß
- 09:15 - 09:45 Presentation: "Enterprise Europe Network.", Dr. Sonja Angloher-Reichelt, Bayern Innovativ GmbH Nürnberg
- 09:45 – 10:15 Time for pitching: companies, researchers present very briefly their ideas, projects, competencies and requirements
- 10:15 - 11:15 ORC research of OTH and partners
Ing. Lukáš Richter UWB Pilsen & Julius Seidler M.SC. OTH Amberg - Weiden, "Development of an ORC screw expander"
Albert Biber B. Eng., OTH Regensburg, "Recent investigations of an ICE + ORC combination focusing on cycle and expander requirements"
Prof. Dr. Andreas P. Weiß, OTH Amberg-Weiden, "Recent and current ORC turbine developments at OTH Amberg-Weiden"
- 11:15 - 12:00 Speed dating "New Project Ideas"
- 12:00 - 12:30 Conclusion & closing, Marian Mure, Prof. Dr. Andreas P. Weiß
- 12:30 - 13:30 Farewell snack & beverages
- 13:30 - 14:30 *Option – guided laboratory tour*

Please register till 31/03/19 under www.oth-aw.de/ORC