



Live session at the IUFRO World Day

# Excellence in research and teaching along the forest value chain - a contribution to overcoming global challenges

University of Applied Forest Sciences Rottenburg

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28 September 2021, 08:45 - 09:45 UTC

📍 Rottenburg, Germany (on the IUFRO World Day Map)

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## ABSTRACT

"We invite our guests to a journey through examples and results of recent research at the University of Applied Forest Sciences Rottenburg, based on projects with a European as well as an international scope. In addition, we demonstrate how we integrate research and teaching.

We'll take a close up look at selective forests in the Black Forest, at climate adaptation and keeping forests free of microplastic. We'll examine changes in timber provision, construction timber as a long-term carbon storage, the development of new materials like beech wood composites and the improvement of wood energy technologies. We'll place a spotlight on rural development and water management, and on the pressures lying on municipal and urban forests and their foresters."

#### KEYWORDS

- Silviculture
- Sustainable Forest Management
  - Wood Composites
  - Urban Forestry
  - Wood Processing
  - Rural development

#### SPEAKERS



**Sebastian HEIN** (habil.)

is professor of silviculture, forest growth and yield. He studied forest sciences at Freiburg University. Before joining HFR in 2008, he worked for the state forest service of Bavaria and held positions as a guest-/interim-professor at AgroParisTech/ENGREF (France) as well as at the University of Wisconsin-Stevens Point (USA) in forest biometry. At HFR, his work focuses on modelling of forest growth and wood quality, forests and trees in climate change, plastic-reduction strategies in forestry and international exchange in close-to-nature / continuous cover silviculture as well as teaching at B.Sc. and M.Sc. levels.



### **Bastian KAISER**

is professor of applied economics. Before joining the HFR, he worked as project manager and consultant in several Latin American countries. Since 2001, he is president of the HFR.

He is engaged in transforming the University into a comprehensive programme school with a broad range of professional opportunities, including bioenergy, material uses of forest biomass and multifunctional forest management.

From 2013 to 2021, he served as President of the Rectors' Conference of the 24 Universities of Applied Sciences in Baden-Württemberg, representing them in aspects of education policy and fiscal affairs.



### **Marcus MUELLER**

(M.Sc. Forestry, University of Göttingen) received his PhD in Wood Biology and Wood Technology from the University of Göttingen in 2012. In 2014, he was appointed full professor at the HFR. His research and teaching focus strongly on the development of innovative wood engineered products, the chemical modification of solid wood and lignocellulosic particles. His current research projects are dealing with the usage of European hardwood species for indoor and outdoor applications.



### **Stefan PELZ**

studied forest and wood sciences at the University of Freiburg and at Washington State University. In 2003, he was appointed full professor for Forest Utilization, Wood Technology and Wood Energy at the HFR. He is head of the master program Sustainable Energy Competence (M.Sc. SENCE), which covers investigation, implementation, technical and economic aspects of renewable energy systems. Since 2014, he also serves as scientific director of the Institute of Applied Science, which is the coordinating body of all research activities of the University.



### **Christoph SCHURR**

is professor for forest and environmental policy. He studied forest sciences at Freiburg and Zurich. Before joining the HFR in 2016, he headed various administrative units in forestry, nature protection and waste management at the state and county level in Saxony. At HFR, his work is focused on small scale forestry, management of municipal forests, implementation of forest and environmental regulations and forest history as well as *close to practice* teaching. He is also head of the University's master program in forestry.



### **Harald THORWARTH**

is professor for combustion technology. He is also associated to the faculty of natural sciences of Tuebingen University. He studied mechanical engineering at Stuttgart (Germany) and Auckland (New Zealand). He obtained his PhD with a thesis on trace element behavior during combustion and flue gas cleaning in industrial furnaces. Before joining HFR in 2013, he held various positions at EnBW, a leading power plant operator. At HFR, he is the head of the central laboratory. Key aspects of his teaching and research are power plant operation, emission control and future energy concepts, the focus lying on renewable energy.

### *PROGRAM*

#### 1. Live Session 8:45 am - 9:00 am (15 minutes):

- Welcome address by University President Prof. Dr. Dr. h.c. Bastian Kaiser
- presentation of recent results of research on forests, forest services and forest products and the integration of teaching and research by members of the faculty and students

#### 2. Forum 9:00 am - 9:45 (45 minutes). Faculty members and students will

- present selected research and teaching projects in more detail
  - be available for live discussion and questions

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