Holzforschung München
TUM School of Life Sciences
Technische Universität München

Holzwissenschaftsseminar I WiSe 24/25

Freitag, 29.11.2024, 09:00 – 12:00 Uhr

Holzforschung München / Wood Research Munich

- Online -

Bei Interesse an einer Teilnahme, senden Sie bitte eine E-Mail an:
If you want to participate, please send a message to:

florian.boehm@tum.de

Sie erhalten dann den Link und Zugangs-Code zum virtuellen Seminarraum. Die Teilnahme ist kostenfrei.
You will then receive the access data for the Zoom event. The participation is free of charge.

Programm:

Veranstaltungsbeginn: **Begrüßung / Greeting**

09:00 – 09:10 Uhr **Begrüßung**

Themenblock: **Stoffstrommanagement / Life Cycle Analysis**

09:10 – 09:30 Uhr B.Sc., Moritz Dittmar, MA Sustainable Resource Management (TUM), Master`s Thesis

Zum Thema: **Development and Application of a regional Life Cycle Assessment Model for Wood-based Product Systems as a scientific basis for a Bavarian Resource Strategy**

09:30 – 09:50 Uhr B.Sc., Mandy Cummings, MA Sustainable Resource Management (TUM), Master`s Thesis

Zum Thema: **A comparative prospective life cycle assessment (LCA) of wood energy generation by conventional combustion and by-slow pyrolysis including several application paths of biochar**

Themenblock: **Pilz-Biotechnologie / Fungal Biotechnology**

09:50 – 10:20 Uhr M.Sc., Nikola Tomić, Professur für Pilz-Biotechnologie in der Holzwissenschaft (TUM), Projektvorstellung

Zum Thema: Contribution analysis of aerobic fungi to biogas production

Pause / Break 10 min

10:30 – 11:00 Uhr M.Sc., Sonja Magosch, Professur für Pilz-Biotechnologie in der Holzwissenschaft (TUM), PhD Abschlusspräsentation

Zum Thema: Isolation, characterization and application of microorganisms to improve drought stress tolerance of trees in reforestation projects

Themenblock: **Holztechnologie / Wood Technology**

11:00 – 11:20 Uhr B.Sc., Ahmed Abdelhakam, MA Civil Engineering (TUM), Master's Thesis

Zum Thema: Wooden Grid Shells: Experimental and Numerical Investigation of the Tensile Behavior of Ash Wood Elements Subjected to Torsional Effects

11:20 – 11:40 Uhr B.Sc., Ahmed Genedi , MA Civil Engineering (TUM), Master's Thesis

Zum Thema: Stress-Strain Behavior of Wood Under Compression: Influence of Loading Direction, Loading Rate, Growth rings angle, and Relative Humidity

11:40 – 12:00 Uhr M.Sc., Ivan Pavlov, MA Civil Engineering (TUM), Master's Thesis

Zum Thema: Optimising and automating connection design for a double-curved glulam structure