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TMS SUPERALLOYS 2021 PREVIEW

Learn about the latest research developments and new processing techniques.
SEPTEMBER 28–OCTOBER 8, 2020

Register once for access to all four webinars, live or on demand. Cost: Members, Free. Non-members, $100.

Four Sessions Featuring Eight Full-Length Talks

SESSION 1
Monday, September 28, 2020
11 am to 12:30 pm EDT
Moderator: Jonathan Cormier, ENSMA - Institut Pprime - UPR CNRS 3346
Speakers:
Marie Charpagne and Jean-Charles Stinville, University of California, Santa Barbara
"Fatigue Deformation and Plastic Localization in Polycrystalline Nickel-Based Superalloys"

SESSION 2
Thursday, October 1, 2020
8 am to 9:20 am EDT
Moderator: Akane Suzuki, GE Research
Speakers:
Jian Zhang, Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China
"Directional Solidification of Superalloys: Processing, Microstructure and Mechanical Properties"

SESSION 3
Tuesday, October 6, 2020
11 am to 12:30 pm EDT
Moderator: Sammy Tin, Illinois Institute of Technology
Speakers:
Kyoko Kawagishi, National Institute for Materials Science, Japan
"Development of Sixth-generation Single-crystal Superalloy TMS-238"
Paraskevas Kontis, Max-Planck-Institut für Eisenforschung GmbH
"Decoding the DNA of Superalloys for Future Alloy Design Strategies"

SESSION 4
Thursday, October 8, 2020
8 am to 9:30 am EDT
Moderator: Mark Hardy, Rolls-Royce Plc
Speakers:
Roger Reed and Tony Tang, Oxford/Oxmet
"Alloys-By-Design: Applications to New Superalloys for Additive Manufacturing"
Eric Huron, GE Aviation
"Advancing The State of the Art of Superalloys by Balancing Performance with Repairability"

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14th INTERNATIONAL SYMPOSIUM ON SUPERALLOYS (SUPERALLOYS 2021)
Registration is open for Superalloys 2021, September 12–16, 2021, in Seven Springs, Pennsylvania. You will gain access to the proceedings when you register for the conference.
www.tms.org/Superalloys2021