

OCT. 17–21, 2021

Technical Meeting and Exhibition

MS&T21

MATERIALS SCIENCE & TECHNOLOGY

#MST21

JOIN US FOR ACERS 123RD ANNUAL MEETING!

GREATER COLUMBUS CONVENTION CENTER | COLUMBUS, OHIO, USA

ACerS will host its 123rd Annual Business Meeting in conjunction with MS&T21. Plan your schedule so you can attend this meeting from 1–2 p.m. on Monday, Oct. 18, in Columbus, Ohio. The Annual Meeting will feature the outgoing president's State of the Society report, the incoming president's vision, new officer inductions, and a members' town hall and question and answer session. This meeting is a great opportunity to be proactive and get involved with the Society's present and future.

If ceramics and glass are a part of your world, then join fellow members for ACerS meetings, lectures, special events, and more while at MS&T.

ACerS is featuring the following award lectures at MS&T. Take the opportunity to listen to your award-winning ceramics and glass materials colleagues' latest findings.

PLENARY SPEAKERS

Visit the MS&T Plenary Session webpage to view the complete abstracts and biographies.

<https://bit.ly/MST21-plenaries>

AIST ADOLF MARTENS MEMORIAL STEEL LECTURE



Anil K. Sachdev

Principal Technical Fellow and lab group manager at GM Global Research and Development

Iron—The ubiquitous element

ACERS EDWARD ORTON JR. MEMORIAL LECTURE



Clive Randall

Director of Materials Research Institute at The Pennsylvania State University

Turning down the heat in sintering to enable the unification of all materials

TMS PLENARY SPEAKER



Tresa Pollock

Alcoa Professor of Materials at the University of California, Santa Barbara

New superalloys in the Co-Ni design space for 3D printing

SPECIAL EVENTS

Visit the MS&T Special Events web page to see all special events, including dates and times.

SUNDAY, OCT. 17 3–5 P.M.

WIKIPEDIA EDIT-A-THON FOR DIVERSITY IN MATERIALS SCIENCE AND ENGINEERING

SUNDAY, OCT. 17 5–6 P.M.

MS&T WOMEN IN MATERIALS SCIENCE RECEPTION

MONDAY, OCT. 18 1–2 P.M.

ACERS 123RD ANNUAL MEMBERSHIP MEETING

MONDAY, OCT. 18 5–6 P.M.

WELCOME RECEPTION HOSTED BY THE MS&T PARTNERS

MONDAY, OCT. 18 7:30–10 P.M.

ACERS ANNUAL HONOR AND AWARDS BANQUET

MONDAY, OCT. 18–THURSDAY, OCT. 21
VARIOUS HOURS

ACERS BASIC SCIENCE DIVISION CERAMOGRAPHIC EXHIBIT & COMPETITION

TUESDAY, OCT. 19 VARIOUS HOURS

GENERAL POSTER SESSION WITH PRESENTERS

TUESDAY, OCT. 19 5:30–6:30 P.M.

ACERS D&I COMMUNITY MEET & GREET

Sponsored by: GE Global Research



Featuring:



MATSCITECH.ORG/MST21

ACERS LECTURES AND AWARDS

Visit the MS&T Special Events webpage to see all lectures and awards, including dates and times.

MONDAY, OCT. 18 8:10–8:55 A.M.

THE NAVROTSKY AWARD FOR EXPERIMENTAL THERMODYNAMICS OF SOLIDS

Xin Qian, Georgia Institute of Technology, USA

MONDAY, OCT. 18 9–10 A.M.

ACERS/EPDC ARTHUR L. FRIEDBERG CERAMIC ENGINEERING TUTORIAL AND LECTURE

Elizabeth Opila, University of Virginia, USA

ACERS RICHARD M. FULRATH AWARD SESSION

Postponed to MS&T22 due to COVID-related travel restrictions.

Surojit Gupta, University of North Dakota, USA
Elizabeth Paisley, Sandia National Laboratory, USA
Tsuyoshi Honma, Nagaoka University of Technology, Japan
Kenichi Okazaki, Semiconductor Energy Laboratory, Japan
Hirokazu Sasaki, Shoen Chemical, Inc., Japan

TUESDAY, OCT. 19 1–2 P.M.

ACERS FRONTIERS OF SCIENCE AND SOCIETY — RUSTUM ROY LECTURE

Alexander Michaelis, Fraunhofer Institute for Ceramic Technologies & Systems IKTS, Germany
Advanced ceramics for energy and environmental technology

TUESDAY, OCT. 19 2–4:40 P.M.

ACERS GOMD ALFRED R. COOPER AWARD SESSION COOPER DISTINGUISHED LECTURE

Efstratios I. Kamitsos, National Hellenic Research Foundation, Greece

ACERS GOMD ALFRED R. COOPER YOUNG SCHOLAR AWARD PRESENTATION

Jacob M. Lovi, Iowa State University, USA
Graham Beckler, Coe College, USA
Lauren Y. Moghimi, Stanford University, USA

WEDNESDAY, OCT. 20 1–2 P.M.

ACERS BASIC SCIENCE DIVISION ROBERT B. SOSMAN LECTURE

Wayne Kaplan, Israel Institute of Technology, Israel
Combining atomistic and continuum approaches to interfaces

STUDENT ACTIVITIES

Visit the MS&T Student Activities webpage to see a complete description of all student events, including details for applying for Material Advantage chapter grants and individual travel grants.
<https://bit.ly/MST21-students>

- UNDERGRADUATE STUDENT POSTER CONTEST
- GRADUATE STUDENT POSTER CONTEST
- UNDERGRADUATE STUDENT SPEAKING CONTEST
- STUDENT NETWORKING MIXER
- ACERS STUDENT TOUR
- ACERS PCSA HUMANITARIAN PITCH COMPETITION
- CERAMIC MUG DROP CONTEST
- CERAMIC DISC GOLF CONTEST
- CAREER FAIR
- STUDENT AWARDS CEREMONY
- AIST STUDENT PLANT TOUR
- AIST STEEL TO STUDENTS RECRUITING RECEPTION

