

47th International Conference on Metallurgical Coatings and Thin Films

April 25-30, 2021
San Diego, CA, USA

AVS/ICMCTF
American Vacuum Society
125 Maiden Lane, 15B
New York NY 10038 USA

Call for
Abstracts & Awards
Nominations
Deadline:
October 1, 2020



<https://icmctf2021.avs.org>

April 25-30, 2021 • Town & Country Hotel and Convention Center • San Diego, CA, USA
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- ▶ 8 Technical Symposia
- ▶ 5 Topical Symposia
- ▶ Plenary & Exhibition Keynote Lectures
- ▶ 80+ Invited Speakers
- ▶ TWO DAY EXHIBITION – April 27-28, 2021
- ▶ Short Courses
- ▶ Focused Topic Sessions
- ▶ Special Interest Talks
- ▶ Daily Social Events



ICMCTF

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Sponsored by the AVS Advanced Surface Engineering Division: <https://icmctf2021.avs.org>

CONFERENCE OVERVIEW

The International Conference on Metallurgical Coatings and Thin Films (ICMCTF) is the premier international conference in the field of **thin film deposition, characterization, and advanced surface engineering** promoting global exchange of ideas and information among scientists, technologists, and manufacturers. The Conference includes more than 80 high-profile invited speakers, in over 50 sessions, across 13 technical and topical symposia, several featured **lectures**, as well as focused **topic sessions, short courses, an equipment exhibition, an awards program, and daily social networking events.**

Technical Symposia

- A - Coatings for Use at High Temperatures
- B - Hard Coatings and Vapor Deposition Technologies
- C - Fundamentals and Technology of Multifunctional Materials and Devices
- D - Coatings for Biomedical and Healthcare Applications
- E - Tribology and Mechanical Behavior of Coatings and Engineered Surfaces
- F - New Horizons in Coatings and Thin Films
- G - Surface Engineering - Applied Research and Industrial Applications
- H - Advanced Characterization Techniques for Coatings, Thin Films, and Small Volumes

Topical Symposia

- TS1 - Anti- and De-icing Surface Engineering
- TS2 - New Horizons in Boron-Containing Coatings: Modelling, Synthesis and Applications
- TS3 - In-Silico Design of Novel Materials by Quantum Mechanics and Classical Methods jointly sponsored by ICMCTF and AQS
- TS4 - Photocatalytic and Superhydrophilic Surfaces
- TS5 - Thin Films on Polymer Substrates: Flexible Electronics and Beyond

Special Interest Talks

"Materials Discoveries at Extreme Conditions: A Path Towards New Advanced Materials"

- Igor Abrikosov, Linköping University, IFM, Sweden

"Design, Metallurgy & Manufacturing Technologies of Targets for Hard Coating & Tribological Applications"

- Peter Polcik, Plansee Composite Materials GmbH, Germany

"Plasma Aspects in the Deposition of Advanced Coatings"

- André Anders, Leibniz Institute of Surface Engineering, Germany

PLENARY LECTURE



► April 26, 2021, 8:00 a.m.

"Organic Bioelectronics – Nature Connected"

- Magnus Berggren, Laboratory of Organic Electronics, ITN, Linköping University, Norrköping, Sweden

EXHIBITORS KEYNOTE LECTURE (EX)



► Tuesday, April 27, 2021, 11:00 a.m.

"Carbon based Coatings in Industrial Scale for Sustainable Surface Solutions"

- Jörg Vetter, Oerlikon, Germany

Awards Nominations

R.F. Bunshah Award & Honorary ICMCTF Lectureship - Recognizes outstanding research or technological innovation in the areas of interest to the AVS Advanced Surface Engineering Division (ASED), with emphasis in the fields of surface engineering, thin films, and related topics.

Bill Sproul Award & Honorary ICMCTF Lectureship - Recognizes the achievements of a mid-career researcher who has made outstanding scientific and/or technological contributions in areas of interest to the Advanced Surface Engineering Division (ASED) of the AVS, with emphasis in the fields of surface engineering, thin films, and related topics.

ICMCTF Graduate Student Awards - Honors and encourages outstanding graduate students in fields of interest to the AVS Advanced Surface Engineering Division (ASED). ASED seeks to recognize students of exceptional ability who show promise for significant future achievement in ASED-related fields.

Upcoming Deadlines

- **Abstract Submission: October 1, 2020**
- **Awards Nominations: October 1, 2020**
- **Manuscript Submission: March 19, 2021**
- **Pre-Registration: March 19, 2021**
(Deadline is March 19th to be in the Program Book)
- **Early Registration: March 19, 2021**
(Presenting authors must register by March 19th to remain in the Program Book)

General Chair:

Christopher Muratore
University of Dayton
cmuratore1@udayton.edu

Program Chair:

Grzegorz (Greg) Greczynski
Linköping University
grzegorz.greczynski@liu.se

Program Vice-Chair:

Samir Aouadi
University of North Texas, USA

Conference Management:

Yvonne Towse
Della Miller
Jeannette DeGennaro
Heather Korff
icmctf@icmctf.org

