CMCEE

15th International Conference on Ceramic Materials and Components for Energy and Environmental Systems

5–9 September 2027

Budapest Congress Center
Budapest, Hungary

Following the successful 14th edition, the International Conference on Ceramic Materials and Components for Energy and Environmental Systems will once again be held in the beautiful city of Budapest, Hungary!

The conference series has established a strong reputation for state-of-the-art presentations and information exchange on the latest emerging ceramic technologies and their wide ranging applications. CMCEE-15 will contain more than 30 symposia covering wide range of topics, which will facilitate global dialogue and discussion with leading world experts to ceramic technologies for sustainable development of society.

We would like to invite all of you to actively participate in the conference and visit the city of Buidapest. We are quite hopeful that this conference will provide excellent forum for interaction and friendship with participants from various continents.

Kind regards,
Organizing Committee



Mrityunjay Singh
Executive Chairman
Past President
The American Ceramic Society, USA



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SYMPOSIA

CERAMICS FOR ENERGY CONVERSION, STORAGE, AND DISTRIBUTION SYSTEMS

- High-Temperature Fuel Cells and Electrolysis
- Ceramics-Related Materials, Devices, and Processing for Heat-to-Electricity Direct Conversion and Thermal Energy Harnessing
- Emerging Materials and Technologies for Solar Cells and Solar Fuel Technologies
- Material Science and Technologies for Advanced Nuclear Fission and Fusion Energy
- Innovative Processing of Nanostructured, and Hybrid Functional Materials for Energy and Sustainability
- Advanced Multifunctional Nanomaterials and Systems for Photovoltaic and Photonic Technologies
- Advanced Batteries and Supercapacitors for Energy Storage Applications
- Materials for Solar Thermal Energy Conversion and Storage
- High Temperature Superconductors: Materials, Technologies, and Systems

CERAMICS FOR ENERGY CONSERVATION AND EFFICIENCY

- Advanced Ceramics and Composites for Turbine Engines
- Advanced Ceramic Coatings for Power Systems
- Energy Efficient Advanced Bearings and Wear Resistant Materials
- Materials for Solid State Lighting
- Advanced Nitrides and Related Materials for Energy Applications
- Ceramics in Conventional Energy and Biomedical, Oil, and Gas Exploration
- Materials for Building Energy Efficiency
- Energy Efficiency and Green Technologies in Traditional Ceramic Manufacturing Industries

CONTACT

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CERAMICS FOR ENVIRONMENTAL SYTEMS

- Photocatalysts for energy and environmental applications
- Advanced Functional Materials, Devices, and Systems for Environmental Conservation, Pollution Control and Critical Materials
- Geopolymers, Inorganic Polymer Ceramics and Sustainable Composites
- Porous and Cellular Ceramics: Porosity design and Engineering Applications
- Advanced Sensors for Energy, Environment and Health Applications

CROSS-CUTTING MATERIALS TECHNOLOGIES

- Computational Design and Modeling
- Additive Manufacturing & 3-D Printing Technologies
- Novel, Green, and Strategic Processing and Manufacturing Technologies
- Powder Processing Technology for Advanced Ceramics
- Advanced Materials, Technologies, and Devices for Electrooptical and Biomedical Applications
- Multifunctional Coatings for Energy and Environmental Applications
- T4.7 Materials for Extreme Environments: Ultrahigh Temperature Ceramics (UHTCs) and Nano-laminated Ternary Carbides and Nitrides (MAX Phases) Applications
- Ceramic Integration Technologies for Energy and Environmental Applications
- Environmental Friendly and Energy Efficient Manufacturing Routes for the Production Root Technology
- Hybrid and Bio-inspired Materials
- Graphene and 2-D materials
- Advanced Ceramic Materials for Photonics, Energy and Health

TECHNOLOGY, SOCIETY AND SUSTAINABILITY

- Global Innovations in Biomaterials, Biomanufacturing, and Biotechnologies
- Global Young Investigator Forum
- Energy Policy
- Women in Ceramics
- Satellite Events: Research reactor visit, Presentations, Ceramic Art, Design and Global Impact

PARTNERS

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The American Ceramic Society www.ceramics.org

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