

34TH INTERNATIONAL CONFERENCE AND EXPOSITION ON
**ADVANCED CERAMICS AND
COMPOSITES**

January 24-29, 2010 | Hilton Daytona Beach Resort & Ocean Center | Daytona Beach, FL, USA



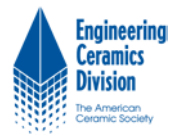
Register Now!

Reserve your seat by December 31, 2009 to save \$100

Organized by The American Ceramic Society and The American Ceramic Society's Engineering Ceramics Division



www.ceramics.org/daytona2010





ACERS ENGINEERING CERAMICS DIVISION LEADERSHIP

- **Trustee:** Mrityunjay Singh
- **Chair:** Andrew Wereszczak
- **Chair-Elect:** Jonathan Salem
- **Vice Chair/Treasurer:** Tatsuki Ohji
- **Secretary:** Dileep Singh

Tatsuki Ohji

ICACC 2010 Program Chair
National Institute of Advanced
Industrial Science and
Technology (AIST)
Nagoya, Japan
Phone: +81 (52) 736-7096
Email: t-ohji@aist.go.jp



Schedule at-a-Glance

Sunday, January 24, 2010

Registration	2:00 – 7:00 pm
Welcome Reception	5:00 – 7:00 pm

Monday, January 25, 2010

Registration	7:00 – 6:00 pm
Opening Awards Ceremony & Plenary Session	8:30 am – Noon
Concurrent Technical Sessions	1:20 – 6:00 pm

Tuesday, January 26, 2010

Registration	7:00 am – 6:00 pm
Concurrent Technical Sessions	8:00 am – 5:20 pm
Exposition & Reception	5:00 – 8:00 pm
Poster Session A	5:00 – 8:00 pm

Wednesday, January 27, 2010

Registration	7:30 am – 5:30 pm
Concurrent Technical Sessions	8:00 am – 5:20 pm
Exposition & Reception	5:00 – 7:30 pm
Poster Session B	5:00 – 7:30 pm

Thursday, January 28, 2010

Registration	7:30 am – 6:30 pm
Concurrent Technical Sessions	8:00 am – 6:00 pm

Friday, January 29, 2010

Registration	7:30 am – Noon
Concurrent Technical Sessions	8:00 am – Noon

Plenary & Awards

2010 James I. Mueller Award

Dr. Hua-Tay Lin

Oak Ridge National Laboratory
Title: Mechanical Reliability: Critical for Successful
Appliation of Ceramics

2010 Bridge Building Award

Prof. Walter Krenkel

University of Bayreuth, Department for Ceramic Materials
Engineering
Title: Ceramic Matrix Composites for Lightweight
Construction

Plenary Speakers

Prof. Kunihiro Koumoto

Nagoya University
Dept. of Applied Chemistry
Title: Nanostructuring Approach to Explore High-Efficiency
Thermoelectric Materials

Prof. Javier LLorca

Polytechnic University of Madrid and Madrid Institute for
Advanced Studies of Materials Department of Materials
Science
Title: On the Quest of Engineering Ceramics for Very High
Temperature Structural Applications

Concurrent Technical Sessions

1: Mechanical Behavior and Performance of Ceramics & Composites

Sessions	Date	Time
Composites: Fibers, Matrices & Interfaces	25-Jan	1:20 – 6:00 pm
Processing-Microstructure-Mechanical Properties Correlations: 1	26-Jan	8:00 am – Noon
Environmental Effects	26-Jan	1:20 – 5:20 pm
Fracture Mechanics, Modeling, and Testing	27-Jan	8:00 am – Noon
Processing-Microstructure-Mechanical Properties Correlations: 2	27-Jan	1:20 – 5:20 pm
Ultra High-Temperature Ceramics - Processing	28-Jan	8:00 am – Noon
Ultra High-Temperature Ceramics - Characterization	28-Jan	1:20 – 6:00 pm
Reliability & Life Prediction Methodologies	28-Jan	8:00 – 11:20 am
Joining	28-Jan	1:20 – 4:10 pm
Tribological Properties	28-Jan	4:10 – 5:50 pm
Non-destructive Evaluation	29-Jan	8:00 – 10:20 am

Organizers:

- Dileep Singh, Argonne National Lab, USA
- Monica Ferraris, Politecnico di Torino, Italy
- Michael Halbig, US Army VTD-NASA Glenn Research Center, USA
- Greg Hilmas, Missouri Univ. of Science & Technology, USA
- Osama Jadaan, Univ. of Wisconsin, USA
- Yutai Katoh, Oak Ridge National Lab, USA
- Jacques Lamon, Univ. of Bordeaux, France
- Edgar Lara-Curzio, Oak Ridge National Lab, USA
- Jonathan Salem, NASA Glenn Research Center, USA
- J. G. Sun, Argonne National Lab, USA
- Z. M. Sun, AIST, Japan
- James Webb, Corning Incorporated, USA
- Y. C. Zhou, Institute of Metal Research, Chinese Academy of Sciences, China
- Y. Zhou, Harbin Institute of Technology, China

2: Advanced Ceramic Coatings for Structural, Environmental, and Functional Applications

Sessions	Date	Time
Environmental Barrier Coatings	26-Jan	1:20 – 6:00 pm
Thermal Barrier Coatings 1	27-Jan	8:00 am – Noon
Thermal Barrier Coatings 2	27-Jan	1:20 – 6:00 pm
Multifunctional Coatings, Advanced Processing and Characterization	28-Jan	8:00 am – Noon
Coatings to Resist Wear, Erosion and Tribological Loadings	28-Jan	1:20 – 5:20 pm

Organizers:

- Dongming Zhu, NASA Glenn Research Center, USA
- H. T. Lin, Oak Ridge National Lab, USA
- Uwe Schulz, German Aerospace Center, Germany
- Brian Hazel, GE Aviation, USA
- Yutaka Kagawa, Univ. of Tokyo, Japan
- Sophoclis Patsias, Rolls-Royce plc, UK
- Irene T. Spitsberg, Kennametal Inc., USA
- Dileep Singh, Argonne National Lab, USA
- Rodney W. Trice, Purdue Univ., USA
- Yong-Ho Sohn, Univ. of Central Florida, USA
- Ping Xiao, Univ. of Manchester, UK
- Robert Vaßen, Forschungszentrum Jülich GmbH, Germany
- Jing Xu, Baker Hughes INTEQ GmbH, Germany



Concurrent Technical Sessions

3: 7th International Symposium on Solid Oxide Fuel Cells (SOFC): Materials, Science and Technology

Sessions	Date	Time
Electrochemical Performance	25-Jan	1:20 – 5:40 pm
Conduction in Ceramics	26-Jan	8:00 am – Noon
Novel Cell & Stack Design	26-Jan	1:20 – 5:20 pm
Seals, Materials and Designs	27-Jan	8:00 am– Noon
Interconnection & Application	27-Jan	1:20 – 5:20 pm
Electrode Materials & Microstructure 1	28-Jan	8:00 am – Noon
Electrode Materials & Microstructure 2	28-Jan	1:20 – 4:20 pm

Organizers:

- Prabhakar Singh, Connecticut Global Fuel Cell Center, Univ. of Connecticut, USA
- Narottam P. Bansal, NASA Glenn Research Center, USA
- Tatsumi Ishihara, Kyushu Univ., Japan
- Tatsuya Kawada, Tohoku Univ., Japan
- Nguyen. Q. Minh, GE Power Systems, USA
- Mogens Mogensen, Risoe National Lab, Denmark
- Robert Steinberger-Wilckens, Forschungszentrum Jülich GmbH, Germany
- Jeffrey W. Stevenson, Pacific Northwest National Lab., USA
- Eric D. Wachsman, Univ. of Florida, USA
- Fatih Dogan, Missouri Univ. of Science & Technology, USA
- Masanobu Awano, AIST, Japan
- Alexander Michaelis, Fraunhofer IKTS, Germany



Concurrent Technical Sessions

4: Armor Ceramics

Sessions	Date	Time
Impact, Penetration and Material Modeling	25-Jan	1:20 – 6:00 pm
Boron Carbide	26-Jan	8:00 am – Noon
Dynamic Material Behavior	26-Jan	1:20 – 3:20 pm
Silicon Carbide	26-Jan	3:20 – 5:40 pm
Transparent Materials	27-Jan	8:00 am – Noon
NDE Applications	27-Jan	1:20 – 3:00 pm

Organizers:

- Jeffrey J. Swab, US Army Research Lab, USA
- Lisa Prokurat Franks, US Army TARDEC, USA
- William Cooper, Air Force Research Lab, USA
- Jerry LaSalvia, US Army Research Lab, USA
- Brian Leavy, US Army Research Lab, USA
- James McCauley, US Army Research Lab, USA
- David Stepp, US Army Research Office, USA
- Andrew Wereszczak, Oak Ridge National Lab, USA

5: Next Generation Bioceramics

Sessions	Date	Time
Advanced Bioceramics	25-Jan	1:20 – 6:00 pm
Next Generation Bioceramics	26-Jan	8:00 am – Noon
Advanced Processing of Bioceramics	26-Jan	1:20 – 5:20 pm
Porous Bioceramics - Joint Session with S9 Porous Ceramics Symposium	27-Jan	8:00 am – Noon
Nanostructured Bioceramics	27-Jan	1:20 – 5:20 pm

Organizers:

- Roger Narayan, Univ. of N. Carolina, USA
- Chikara Ohtsuki, Nagoya Univ., Japan
- Saranjit S. Bhasin, Maulana Azad Medical College, India
- Suwan Jayasinghe, Univ. College London, UK
- Akiyoshi Osaka, Okayama Univ., Japan
- Markus Reiterer, Medtronic, USA

Companion Tour

Driving Tour & Wine Tasting

Monday, January 25, 2010, 1 to 4 pm

Join us for a driving tour of nearby Ormond Beach's historic locations listed on the U.S. National Register of Historic Places including The Dix House, Anderson-Price Memorial Library Building, and The Porches. Following the tour, depart to Ormond Beach Winery for wine tasting and shopping. Visit www.ceramics.org/daytona2010 for details.

Short Course

Mechanical Properties of Ceramics and Glasses

Thursday – Friday, January 28-29

Sign up before December 31, 2009 to save \$100 on short course registration. Participants will learn the fundamentals for elastic properties, strength measurements, fracture parameters and indentation hardness, and be exposed to how the structure of ceramics and glasses determines those properties. Learn more at www.ceramics.org/daytona2010.



Concurrent Technical Sessions

6: International Symposium on Ceramics for Electric Energy Generation, Storage, and Distribution

Sessions	Date	Time
Thermoelectric Materials for Energy Harvesting I	26-Jan	8:00 – 11:40 am
Thermoelectric Materials for Energy Harvesting II	26-Jan	1:20 – 3:20 pm
Advanced Ceramics and Composites for Energy Applications	26-Jan	3:20 – 5:00 pm
Materials for Energy Storage	27-Jan	8:00 – 11:40 am
Materials for Renewable Energy Applications	27-Jan	1:20 – 5:00 pm

Organizers:

- H.T. Lin, Oak Ridge National Lab, USA
- Franziska Scheffler, Otto-von-Guericke - Universität Magdeburg, Germany
- Anke Weidenkaff, EMPA, Switzerland
- Tohru Sekino, Tohoku Univ., Japan
- Kuan-Zong Fung, National Cheng Kung Univ., Taiwan
- Kunihito Koumoto, Nagoya Univ., Japan
- Lidong Chen, Shanghai Institute of Ceramics, China
- Laifei Cheng, Northwestern Polytechnical Univ., China
- Hai-Doo Kim, Korea Institute of Materials Science, Korea



Concurrent Technical Sessions

7: 4th International Symposium on Nanostructured Materials and Nanotechnology: Development and Applications

Sessions	Date	Time
Synthesis, Functionalization, Processing and Self-Assembly of Nanoparticles	25-Jan	1:20 – 6:00 pm
Nanotubes, Nanorods, Nanowires and Other One-dimensional Structures	26-Jan	8:00 am – Noon
Nanodevices: Fabrication and Large-scale Integration	26-Jan	1:20 – 5:20 pm
Nanostructured Membranes, Thin Films, Functional Coatings	27-Jan	8:00 am – Noon
Industrial Development and Application of Nanomaterials	27-Jan	1:20 – 3:20 pm
Polymer Nanocomposites Technology and Nanoporous Materials	27-Jan	3:20 – 5:00 pm
Bio-active Nanomaterials and Nanostructured Materials for Bio-medical Applications	28-Jan	8:00 – 10:00 am
Nanomaterials for Photocatalysis and Solar Energy I	28-Jan	10:00 am – Noon
Nanomaterials for Photocatalysis and Solar Energy II	28-Jan	1:20 – 3:20 pm
Recent Advances in New Composites and Architectures I	28-Jan	3:20 – 6:00 pm
Recent Advances in New Composites and Architectures II	29-Jan	8:00 am – Noon

Organizers:

- Sanjay Mathur, Univ. of Cologne, Germany
- Suprakas Ray, CSIR- National Centre for Nanomaterials, South Africa
- Francisco Hernandez-Ramirez, Univ. of Barcelona, Spain
- Yasuhiro Tachibana, Osaka Univ., Japan
- Gunnar Westin, Angstrom Lab, Uppsala Univ., Sweden
- Kyoung Il Moon, KITECH, Korea
- Erica Corral, Univ. of Arizona, USA
- Mohammed Es-Souni, Univ. of Applied Sciences, Germany

Exhibition Information



Reserve your booth space today for the premier advanced ceramics & composites event.

This event offers an exceptional opportunity to present your company's latest products, services and technology to a sophisticated audience sharply focused on this market.

Exhibits Open:

Tuesday, January 26, 2010, 5:00-8:00 pm
 Wednesday, January 27, 2010, 5:00-7:30 pm

Exposition Location:

Ocean Center Conference Center/Arena
 101 North Atlantic Avenue
 Daytona Beach, Florida 32118

Visit www.ceramics.org/daytona2010 for more details or contact Patricia Janeway at pjaneway@ceramics.org or at 614-794-5826.



Concurrent Technical Sessions

8: 4th International Symposium on Advanced Processing and Manufacturing Technologies (APMT) for Structural and Multifunctional Materials and Systems

Sessions	Date	Time
Global Mineral Issues and Green Manufacturing	25-Jan	1:20 – 6:00 pm
Novel Forming and Sintering	26-Jan	8:00 am – Noon
Advanced Composite Manufacturing I	26-Jan	1:20 – 5:20 pm
Advanced Composite Manufacturing II	27-Jan	8:00 am – Noon
Smart Processing I	27-Jan	1:20 – 5:00 pm
Smart Processing II	28-Jan	8:00 am – Noon
Microwave-Processing and SPS	28-Jan	1:20 – 6:00 pm
Joining and Net Shape Forming	29-Jan	8:00 am – 12:20 pm

Organizers:

- Tatsuki Ohji, AIST, Japan
- Mrityunjay Singh, OAI, NASA Glenn Research Center, USA
- Jun Akedo, AIST, Japan
- Srinivasa Rao Boddapati, Kennametal Conforma Clad, USA
- Juergen G. Heinrich, Clausthal Univ. of Technology, Germany
- Byung-Koog Jang, National Institute for Materials Science (NIMS), Japan
- Soshu Kirihiro, Osaka Univ., Japan
- Tomaz Kosmac, Josef Stefan Institute, Slovenia
- Walter Krenkel, Univ. of Bayreuth, Germany
- Eugene Medvedovski, Umicore Indium Products, USA
- Richard D. Sisson, Jr., Worcester Polytechnic Institute, USA
- Houzheng Wu, Loughborough Univ., UK



Register today at www.ceramics.org/daytona2010

Concurrent Technical Sessions

9: Porous Ceramics: Novel Developments and Applications

Sessions	Date	Time
Processing Methods for Porous Ceramics I	25-Jan	1:20 – 3:20 pm
Processing Methods for Porous Ceramics II	25-Jan	3:20 – 6:00 pm
Structure and Properties of Porous Ceramics I	26-Jan	8:00 – 10:00 am
Structure and Properties of Porous Ceramics II	26-Jan	10:00 am – Noon
Structure and Properties of Porous Ceramics III	26-Jan	1:20 – 3:20 pm
Applications of Porous Ceramics I	26-Jan	3:20 – 5:40 pm
Applications of Porous Ceramics II	27-Jan	1:20 – 3:20 pm
Applications of Porous Ceramics III	27-Jan	3:20 – 5:40 pm

Organizers:

- Paolo Colombo, Univ. of Padova, Italy
- Sujanto Widjaja, Corning Incorporated, USA
- Aleksander J. Pyzik, The Dow Chemical Company, USA
- Michael Scheffler, Brandenburgische Technische Universität Cottbus, Germany
- Andreas Stein, Univ. of Minnesota, USA
- Thomas R. Watkins, Oak Ridge National Lab, USA
- Yuji Iwamoto, Nagoya Institute of Technology, Japan

10: Thermal Management Materials and Technologies

Session	Date	Time
Thermal Management Materials and Technologies	25-Jan	1:20 – 5:00 pm

Organizers:

- Andrew L. Gyekenyesi, OAI, NASA Glenn Research Center, USA
- Mrityunjay Singh, OAI, NASA Glenn Research Center, USA
- Sylvia M. Johnson, NASA Ames Research Center, USA
- Rajiv Asthana, Univ. of Wisconsin-Stout, USA
- Ajit K. Roy, Air Force Research Lab, WPAFB, USA
- Walter Krenkel, Univ. of Bayreuth, Germany
- Michiko Kusunoki, Nagoya Univ., Japan

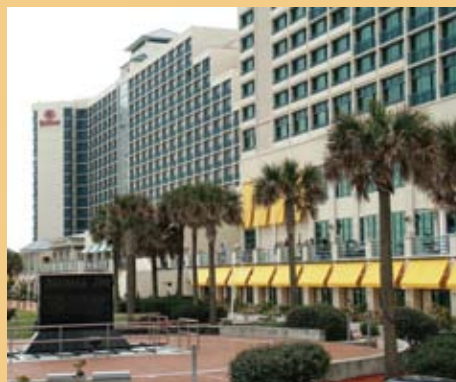
Hotel Information

HILTON DAYTONA BEACH RESORT

100 North Atlantic Avenue
Daytona Beach, Florida 32118
Phone: 1-386-254-8200
Fax: 1-386-253-8841
www.hilton.com

Rates:

One to Four Occupants	\$175
Students:	\$149
Government:	Prevailing Rate



Mention The American Ceramic Society to obtain the special rate. Reservations must be secured with a deposit equal to one night's room and tax. Individual reservations are refundable if cancelled up to 48 hours prior to arrival. Room rates are effective until **December 23, 2009** and are based on availability.

Concurrent Technical Sessions

11: Advanced Sensor Technology, Developments and Applications

Sessions	Date	Time
Advanced Sensor Technology 1	28-Jan	8:00 am – Noon
Advanced Sensor Technology 2	28-Jan	1:20 – 6:00 pm

Organizers:

- Linan An, Univ. of Central Florida, USA
- Ichiro Matsubara, AIST, Japan
- Xun Gong, Univ. of Central Florida, USA
- Ralf Moos, Univ. of Bayreuth, Germany
- Joan R. Morante, Univ. de Barcelona, Spain
- Yasuhiro Shimizu, Nagasaki Univ., Japan
- Qingming Wang, Univ. of Pittsburgh, USA
- Yiguang Wang, Northwestern Polytechnical Univ., China

Focused Sessions

1: Geopolymers and Other Inorganic Polymers

Sessions	Date	Time
Porous Geopolymers	25-Jan	1:20 – 3:20 pm
Mechanical Properties	25-Jan	3:20 – 5:00 pm
Novel Applications I	25-Jan	5:00 – 5:40 pm
Novel Applications II	26-Jan	8:00 – 8:40 am
Geopolymer Cements and Concretes	26-Jan	8:40 am – Noon

Organizer:

Waltraud M. Kriven, Univ. of Illinois at Urbana-Champaign, USA
Phone: +1 (217) 333-5258 • Email: kriven@illinois.edu

- Isao Tanaka, Kyoto Univ., Japan
- Julian D Gale, Curtin Univ. of Technology, Australia
- Goffredo de Portu, Institute of Science and Technology for Ceramics, Italy
- Omer van der Biest, Katholieke Universiteit Leuven, Belgium
- Yuichi Ikuhara, Univ. of Tokyo, Japan
- Lars Hultman, Thin Film Physics Division, Sweden
- Jochen Schneider, Aachen Univ., Germany
- Jingyang Wang, Institute of Metal Research, Chinese Academy of Sciences, China

2: Global Mineral Resources will be covered in Symposium 8

3: Computational Design, Modeling, Simulation and Characterization of Ceramics and Composites

Sessions	Date	Time
Modeling of Defects and Related Properties	28-Jan	8:00 – 10:00 am
Prediction of Crystal Structure, Electronic Structure and Properties	28-Jan	10:00 am – Noon
Molecular Dynamics Simulation and Prediction of Properties	28-Jan	1:20 – 3:20 pm
Characterization of Interfaces/Grain Boundaries and Design of New Ceramics	28-Jan	3:20 – 6:00 pm
Simulation/Characterization of Mechanical Behavior	29-Jan	8:00 – 10:00 am
Simulation/Characterization of Deformation Mechanisms and Other Properties	29-Jan	10:00 – 11:00 am

Organizers:

- Yanchun Zhou, Institute of Metal Research, Chinese Academy of Sciences, China
- Michael J. Hoffmann, Univ. of Karlsruhe, Germany
- Wai-Yim Ching, Univ. of Missouri-Kansas City, USA

4: Nanolaminated Ternary Carbides and Nitrides (MAX Phases)

Sessions	Date	Time
Physical and Mechanical Properties of MAX Phases	28-Jan	8:00 am – Noon
Processing of MAX Phases and Their Composites	28-Jan	1:20 – 5:40 pm
Microstructural Characterization of MAX Phases	29-Jan	8:00 – 10:00 am
Modeling of Thermodynamic Stability, Microstructure and Physical Properties of MAX Phases	29-Jan	10:00 – 11:40 am

Organizers:

- Miladin Radovic, Texas A&M Univ., USA
- Sylvain Dubois, Laboratoire de Physique des Matériaux, France
- Bikramjit Basu, Indian Institute of Technology, Kanpur, India
- Yanchun Zhou, Institute of Metal Research, Chinese Academy of Sciences, China
- Zheng Ming Sun, National Institute of Advanced Industrial Science and Technology (AIST), Japan



34TH INTERNATIONAL CONFERENCE AND EXPOSITION ON ADVANCED CERAMICS AND COMPOSITES

Hilton Daytona Beach Resort & Ocean Center
Daytona Beach, Florida, USA | January 24-29, 2010



4 ways to register

Early Registration Deadline:
December 31, 2009

MAIL

The American Ceramic Society
L-2625, PO Box 600001
Columbus, OH 43260-2625 USA

FAX

1-301-206-9789
(Credit Cards Only)

WWW

www.ceramics.org
(Credit Cards Only)

PHONE

1-866-721-3322 US.
1-240-646-7054 Int'l.
(Credit Cards Only)

Please print

This is my work address home address school address

Member No. _____ First Name _____ M.I. _____ Last Name _____

Job Title _____ Dept. _____

Company/Affiliation/School _____

Street Address _____

City _____ State/Province _____ Postal Code _____ Country _____

Phone _____ Fax _____

E-mail _____

Billing Address

Same as Above

Address _____

City _____ State _____ Zip _____

Country _____

Registration

ICACC'10 Registration	EARLY REG. THROUGH DEC. 31	AFTER DEC. 31
Member**	<input type="checkbox"/> \$515	<input type="checkbox"/> \$615
Member with 12 month membership renewal**	<input type="checkbox"/> \$630	<input type="checkbox"/> \$730
Nonmember** (with registration, nonmembers are given a free one-year membership in ACerS)	<input type="checkbox"/> \$630	<input type="checkbox"/> \$730
Emeritus/Senior**	<input type="checkbox"/> \$385	<input type="checkbox"/> \$485
One Day: Member†	<input type="checkbox"/> \$385	<input type="checkbox"/> \$485
One Day: Nonmember† (with registration, nonmembers are given a free one-year membership in ACerS)	<input type="checkbox"/> \$500	<input type="checkbox"/> \$600
Material Advantage Student Member	<input type="checkbox"/> \$130	<input type="checkbox"/> \$180
Student: Not in Material Advantage	<input type="checkbox"/> \$165	<input type="checkbox"/> \$215
Exhibit Only	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50
Companion Registration (includes local tour)	<input type="checkbox"/> \$95	<input type="checkbox"/> \$95

* These registrations include Conference Proceedings on CD.
† Select free division membership on top right
Note: All registrations include coffee breaks, welcome reception, 2 exhibit receptions.

Additional Options

International Journal of ACT (2010 print subscription)	<input type="checkbox"/> \$90	<input type="checkbox"/> \$90
ICACC'10 Conference Proceedings on CD*	<input type="checkbox"/> \$125	<input type="checkbox"/> \$125

Save 25% – register below for EMA2010 and 34th Int'l Conference & Expo on Advanced Ceramics & Composites!

EMA 2010 (January 20-22, 2010) & ICACC'10 Combined Registration		
Member	<input type="checkbox"/> \$775	<input type="checkbox"/> \$875
Nonmember	<input type="checkbox"/> \$890	<input type="checkbox"/> \$990
Emeritus/Senior	<input type="checkbox"/> \$585	<input type="checkbox"/> \$685
Material Advantage Student Member	<input type="checkbox"/> \$210	<input type="checkbox"/> \$260
Student: Not in Material Advantage	<input type="checkbox"/> \$245	<input type="checkbox"/> \$295

GRAND TOTAL \$ _____ \$ _____

ACerS Membership[‡]

If you are not a member of a division, choose one free division affiliation below.

- Art Glass & Optical Materials
 Basic Science Nuclear & Environ. Tech.
 Cements Refractory Ceramics
 Electronics Structural Clay Products
 Engin. Ceramics Whitewares & Materials

Membership includes online access to *Journal of the American Ceramic Society*, *International Journal of Applied Ceramic Technology*, and the new *International Journal of Applied Glass Science*. Also includes print subscription and online access to *American Ceramic Society Bulletin*.

Payment

Check for \$ _____ enclosed.
(PAYABLE TO: THE AMERICAN CERAMIC SOCIETY. MUST BE IN U.S. DOLLARS AND DRAWN ON A U.S. BANK.)

Charge \$ _____ to my credit card:

- VISA MC AMEX

ACCT. NUMBER

EXP. DATE

NAME ON CREDIT CARD

SIGNATURE

Cancellation Policy: Full refund less \$50 if cancelled on or before December 31, 2009; 50% refund if cancelled between January 1, 2010 and January 17, 2010; no refunds after the start of the conference.

For Hotel Accommodations call the
Hilton Daytona Beach Resort &
Ocean Center
1-800-254-8200 or 1-386-254-8200



600 N. Cleveland Avenue, Suite 210
Westerville, Ohio 43082 USA

34TH INTERNATIONAL CONFERENCE AND EXPOSITION ON ADVANCED CERAMICS AND COMPOSITES

REGISTER NOW!
Save \$100 before
December 31, 2009

www.ceramics.org/daytona2010



Organized by The American Ceramic Society and The American Ceramic Society's Engineering Ceramics Division



www.ceramics.org/daytona2010

Register Now!
Save \$100 before December 31, 2009

Hilton Daytona Beach
Resort & Ocean Center
Daytona Beach, Florida, USA
January 24-29, 2010

ADVANCED CERAMICS AND COMPOSITES

34TH INTERNATIONAL CONFERENCE AND EXPOSITION ON

