

Ceramics 2016

(Theme: Advances in Ceramics and Composite Materials)

Summary:

Ceramics 2016 is the platform to gain or share the knowledge in the new technological developments in the field of material sciences. This conference brings together professors, researchers in all the areas of ceramics and provides an international forum for the spreading of approved research. We are honored to invite you all to attend and register for the “2nd International Conference and Expo on Ceramics and Composite Materials (Ceramics 2016)” which is going to be held during July 25-26, 2016 in Berlin, Germany.

The organizing committee is gearing up for an exciting and informative conference program this year also which includes plenary lectures, symposia, workshops on a variety of topics, poster presentations and various programs for participants from all over the world. We invite you to join us at the Ceramics 2016, where you will be sure to have a meaningful experience with scholars from around the world. All members of the Ceramics-2016 organizing committee look forward to meeting you in Berlin, Germany.

For more details please visit: <http://ceramics.conferenceseries.com/>

Importance & Scope:

Ceramics are inorganic non-metallic materials made from compounds of a metal and a non-metal. Have received major media attention in recent years, particularly for use as parts in a future ceramic heat engine. Electrical properties place ceramics in great demand as solid electrolytes in experimental batteries and fuel cells. These advanced modern industrial ceramics are being used for applications such as space shuttle tile, engine components, artificial bones and teeth, computers and other electronic components and cutting tools.

Why Berlin?

Berlin is also one of the 16 states of Germany. With a population of 3.5 million people, Berlin is Germany's largest city. It is the second most populous city proper and the seventh most populous urban area in the European Union. Berlin, Germany's capital and cultural center, dates to the 13th century. Divided during the Cold War, today it's known for its art scene, nightlife and modern architecture, such as Mies van der Rohe's landmark Neue Nationalgalerie.

Berlin is a world city of culture, politics, media, and science. Its economy is based on high-tech firms and the service sector, encompassing a diverse range of creative industries, research facilities, media corporations, and convention venues. Berlin serves as a continental hub for air and rail traffic and has a highly complex public transportation network. The metropolis is a popular tourist destination. Significant industries also include IT, pharmaceuticals, biomedical engineering, clean tech, biotechnology, construction, and electronics.

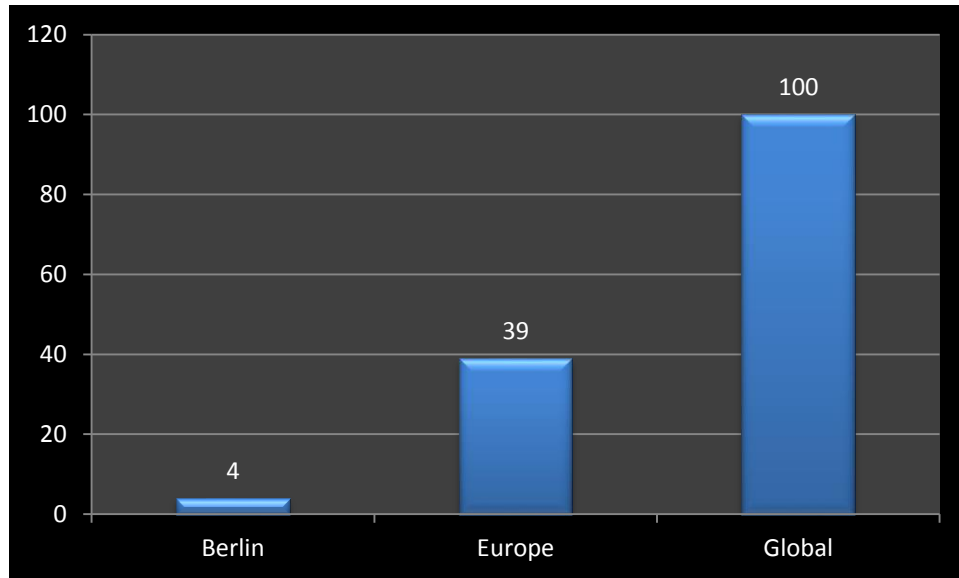
Why to attend?

Ceramics 2016 with members from around the world focused on learning about various aspects in ceramic materials and their applications in various sectors, aims to bring together leading academic scientists, researchers to exchange and share their experiences.

With the presence of highly affiliated personalities, researchers, scientists around the globe, this conference would be right platform for learning and sharing the new developments in this field. This is the place to meet the current and potential speakers and receive the name recognition.

Top Universities in Germany:

- Technical University of Darmstadt
- Saarland University
- RWTH Aachen University
- University of Erlangen-Nuremberg
- Karlsruhe Institute of Technology
- Ludwig Maximilian University of Munich
- Dresden University of Technology
- University of Stuttgart



Major Ceramic Associations around the Globe

- Australian Ceramics Association
- Contemporary Ceramic Studios Association
- European Ceramic Industry Association
- British Ceramic Confederation
- Ceramics Southern Africa
- Midwest Ceramic Association
- Association of British Ceramic Distributors

Major Material Sciences Associations in Germany

- Helmholtz Association
- Federation of European Materials Societies
- Max Planck Society
- Max-Planck-Gesellschaft
- Helmholtz-Zentrum Dresden-Rossendorf
- Leibniz Institute of Polymer Research
- Fraunhofer Institute for Ceramic Technologies and Systems IKTS
- American Ceramics Society

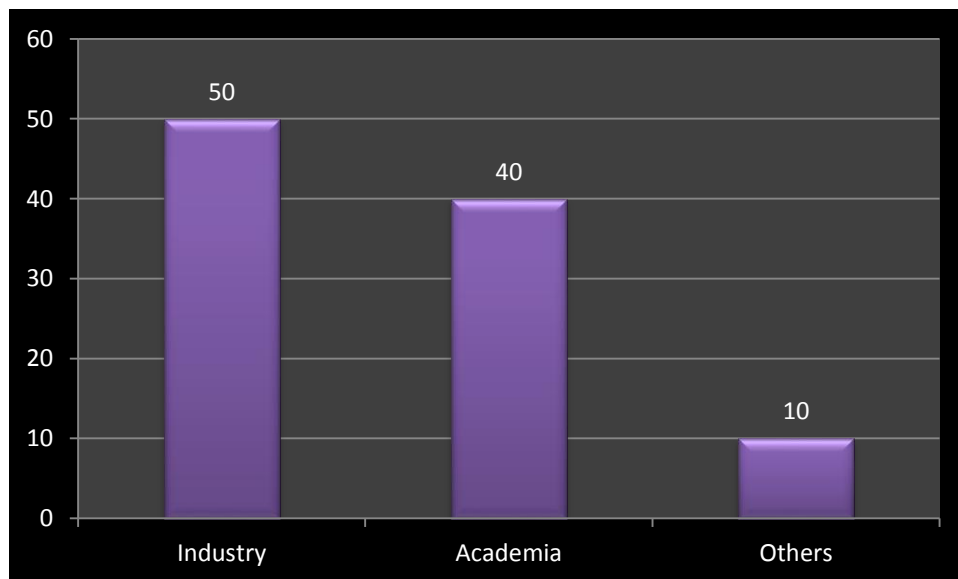
Target Audience:

- Eminent Scientists/Research Professors of Material Science Engineering
- Junior/Senior Research Fellows, Students related to Ceramic Materials and Material Science
- Directors of Material Science and Ceramic Companies
- Collaborations, Associations and Societies of Materials and Ceramic Manufacturing Companies
- Members of Different Physics, Ceramics and Materials Science Associations

Industry 50%

Academia 40%

Others 10%



Glance at Market of Ceramics

Asia-Pacific is the biggest as well as the fastest growing market for technical ceramics, having a significant share of about 39.74% of the total market in 2013. Among various major product types of technical ceramics; monolithic ceramics dominates the market with nearly 66.20% of the total technical ceramics market share in 2013. Ceramic matrix

composite is another major product segment and is expected to grow significantly, from 2014 to 2019.

Ceramics world market is increasingly diversified, expected to represent considerable size as every segment keeps on growing. Currently standing at USD 296.2 billion, the ceramics market is forecast to grow to USD 502.8 billion by 2020, as every industry achieves improved manufacturing efficiency along with high renewable energy efficiency.

Projected Market Growth of Ceramics from 2010 to 2017

Medical and Dental market to be fastest growing. New bioceramic applications such as knee, orbital eye, and dental implants will help drive the medical product market at a double-digit annual pace over the forecast period, the fastest pace of any market.

The total technical and advanced structural ceramics market in North America was worth \$3.2 billion in 2010 and \$3.4 billion in 2011. This figure is projected to reach \$4.4 billion in 2016 yielding a compound annual growth rate (CAGR) of 5.1% between 2011 and 2016. Demand for advanced ceramics in the US is forecast to rise more than five percent annually to \$13.5 billion in 2017.