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Messe München GmbH
Messegelände
81823 München
Germany
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CERAMITEC is supported by:

- Bundesverband der Deutschen Ziegelindustrie e.V.
- Deutsche Keramische Gesellschaft e.V.
- Fachverband Pulvermetallurgie
- Verband Deutscher Maschinen- und Anlagenbau e.V., VDMA
- Verband der Deutschen Feuerfest-Industrie e.V.

Published by Messe München GmbH, Munich - Printed in Germany, E/09_09



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**Supporting
Programme**



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CERAMITEC 2009

New Munich Trade Fair Centre
20–23 October

11th International Trade Fair for Machinery, Equipment, Plants, Processes
and Raw Materials for CERAMICS and POWDER METALLURGY



Welcome to CERAMITEC!

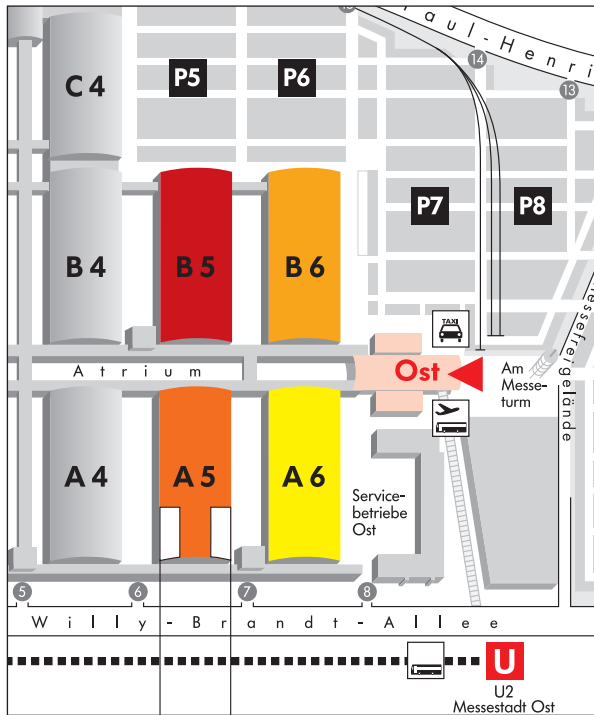
CERAMITEC 2009 will again be offering its exhibitors and visitors a high-calibre conference programme of trade lectures, panel discussions and exhibitor presentations. The events will be held in the CERAMITEC FORUM in Hall A5, and participation is free of charge. Simultaneous translation (in German and English) will be provided at all the lectures.

As in many other branches of industry, the ceramics sector has identified green and cost-efficient technology as the trend for the future. As a result, this year's CERAMITEC will be focusing closely on energy and cost-efficiency, a theme which runs through all sections of the exhibition and is also featured strongly in the conference programme.

In this context, for the first time ever the Ceramics Machinery Section of the VDMA (German Engineering Federation), together with the ECTS (Working Group European Ceramic Technology Suppliers) is holding a special exhibition on "Energy and Cost-Efficiency" in Hall A5, in the immediate vicinity of the CERAMITEC FORUM.

The following pages contain a detailed list of the events taking place in the Forum.

We wish all our exhibitors and visitors a pleasant stay in Munich and a very successful time at CERAMITEC 2009!



CERAMITEC FORUM | Special show

- | | |
|--|--|
|  Machinery, plants and equipment for heavy clay ceramics |  Machinery, plants and equipment for fine and refractory ceramics, technical ceramics and powder metallurgy |
|  Refractory materials, firing aids, kilns and equipment/research |  Raw materials and additives, powders, production materials and aids |

10:30 – 12:00

Main Press Conference

13:00 – 14:30

**Energy and cost efficiency
in the ceramics industry**

German Ceramics Society, Cologne

In various segments of the ceramics industry—i.e. in upstream and in high-temperature processes, among others—the efficient use of energy plays an important role. During CERAMITEC 2009, that will be the focus on a special forum. CERAMITEC 2009 will examine this topic with a wide range of industry professionals by focusing on the following main themes:

- Preparation
- Drying
- Firing
- Driven technology

Moderation:

Prof. Dr. Gernot Klein, Head of Department Ceramic Science and Engineering, University of Applied Sciences Koblenz, Höhr-Grenzhausen

13:00 – 13:15

Energy efficiency in thermo-process technology and the “Ökodesign” Guideline of the EU

Dr. Franz Beneke, Head of Department “Fachverband Thermoprozess- und Abfalltechnik” (VDMA), Frankfurt am Main

13:15 – 13:30

**EcoPrep—Economical Body Preparation—
What's the best technology today?**

Hans Jörg Walter, Technical Sales Manager Europe, America, Africa, Maschinenfabrik Gustav Eirich GmbH & Co. KG, Hardheim

13:30 – 13:45

**Microwave technology—
Application for efficient drying**

Frank Debus, Development Engineer, Linn High Therm GmbH, Eschenfelden

**Energy saving on the tunnel kiln—
Possibilities and limits**

Maik Fischer, Sales Manager Ceramic Technology, Eisenmann AG, Holzgerlingen

**Energy saving with system—
Potentials in electrical driven technology**

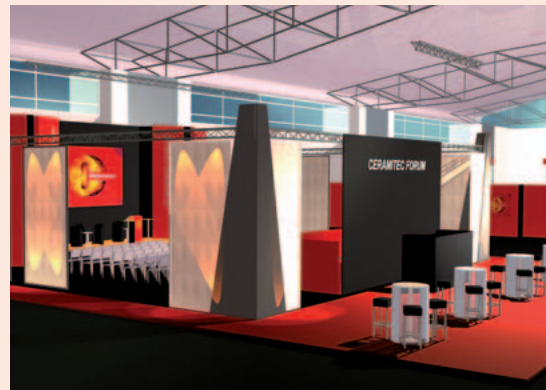
Dr. Meinhard Schumacher, Product Manager, SEW Eurodrive GmbH & Co. KG, Bruchsal

Panel discussion**Visitors ask, experts answer**

13:45 – 14:00

14:00 – 14:15

14:15 – 14:30

**Exhibitor Presentations****Global resources, local solutions**

Sam Leese, Technical Director, Sibelco Europe, Antwerp

**A new generation of nanoscale ceramic
high-performance materials**

Dr. Lars Leidolph, Division Manager R&D/Sales, IBU-tec advanced materials AG, Weimar

New energies for the ceramics industry

Santiago Amposta, R+D Manager, BERALMAR TECNOLOGIC, S.A., Barcelona

15:00 – 15:30

15:30 – 16:00

16:30 – 17:00



Hall A5

Wednesday, 21 October 2009

10:00 – 18:00

Technical Ceramics and Powder Metallurgy Day

Powder Metallurgy Trade Association (FPM), Hagen
Fraunhofer Institute for Ceramic Technologies and
Systems, Dresden
TASK GmbH—Meeting Point Ceramics, Dresden

In conjunction with Fraunhofer IKTS and TASK GmbH/
Meeting Point Ceramics, the Powder Metallurgy Trade
Association will present "Technical Ceramics and Powder
Metallurgy Day" on Wednesday, October 21, 2009.
The event will focus on new as well as tried-and-tested
technologies used to manufacture powder metallurgy
components and on innovations and production tech-
niques in the ceramics industry and other application
sectors. Manufacturing processes, innovative tech-
niques and recently developed systems from both sectors
will be introduced in a series of technical lectures.

10:00 – 13:00

Session I: Current situation and development tendencies

Moderation:

Prof. Dr.-Ing. Paul Beiss, Head of Institute, Institute for
Materials Applications in Mechanical Engineering, Aachen

10:00 – 10:15

Recent innovations in powder metallurgy of precision parts and tools

Prof. Herbert Danninger, Head of Institute,
Technische Universität, Vienna

10:15 – 10:30

Development trends in compaction presses and die sets for powder metallurgy

Prof. Dr.-Ing. Paul Beiss, Head of Institute, Institute for
Materials Applications in Mechanical Engineering, Aachen

10:30 – 10:45

Materials and design—Innovation potential by MIM (Metal Injection Moulding)

Ingolf Langer, Head of R&D MIM,
Schunk Sintermetalltechnik GmbH, Thale

10:45 – 11:00

Water-based spray drying for tungsten carbide

Johannes Becker, Sales Manager Advanced Materials,
DORST Technologies GmbH & Co KG, Kochel am See

11:00 – 11:15

Spark plasma sintering of novel materials— Stations on the way to production

Heinz U. Kessel, Managing Partner, FCT Systeme GmbH,
Rauenstein



Hall A5

Wednesday, 21 October 2009

11:15 – 11:30

Useful preparation methods for producers of ceramics and cemented carbides

Dr. rer. nat. Peter Nold, Knowledge Management,
Maschinenfabrik Gustav Eirich GmbH & Co KG, Hardheim

11:30 – 11:45

Modern sintering process in a comprehensive view

Ingo Cremer, General Manager,
CREMER Thermoprozessanlagen-GmbH, Düren-Konzendorf

11:45 – 12:00

Visitors ask, experts answer

12:00 – 13:00

Get together at FORUM

13:00 – 15:00

Session II: Key technology and equipment

Moderation:

Dr.-Ing. Michael Zins, Vice Director, Fraunhofer IKTS,
Managing Director, TASK GmbH, Dresden

13:00 – 13:30

Technical ceramics—Innovation from and for ceramics

Dr.-Ing. Michael Zins, Vice Director, Fraunhofer IKTS,
Managing Director, TASK GmbH, Dresden

13:30 – 13:45

Porous functional ceramics— Technology for mass production

Hartmut Weber, Marketing Director/
TEAM Sales Coordinator, TEAM by SACMI,
Riedhammer GmbH, Nuremberg

13:45 – 14:00

Variety of materials—Feedstocks for ceramic injection

Dr. Karin Hajek, Sales Director,
INMATEC Technologies GmbH, Rheinbach

14:00 – 14:15

Chances and possibilities of metal and ceramic injection moulding

Hartmut Walcher, Application development consulting
PIM, Arburg GmbH + Co KG, Lossburg

14:15 – 14:30

LTCC—Technology for novel products

Dr. Gunter Hagen, Managing Director,
KMS Technology Center GmbH, Dresden

14:30 – 15:00

Laser sintering of ceramic powders and related surface treatment

Arnaud Hory, Managing Director, CerLase SAS, Limoges



Time	Tuesday, 20 October 2009	Wednesday, 21 October 2009	Thursday, 22 October 2009	Friday, 23 October 2009	Time
10:00 – 10:30					10:00 – 10:30
10:30 – 11:00	Main Press Conference	Technical Ceramics and Powder Metallurgy Day Session I Current situation and development tendencies Fraunhofer IKTS/TASK and FPM— Powder Metallurgy Trade Association	Heavy Clay Day Session I Heavy Clay Day Zi—Ziegelindustrie International, Bauverlag BV GmbH	India Day Market trends in the various ceramics sectors in India Lectures and discussions cfi—ceramic forum international, Göller Verlag GmbH and VDMA India	10:30 – 11:00
11:00 – 11:30					11:00 – 11:30
11:30 – 12:00					11:30 – 12:00
12:00 – 12:30		Get-together at FORUM			12:00 – 12:30
12:30 – 13:00					12:30 – 13:00
13:00 – 13:30	Energy and cost efficiency in the ceramics industry International presentations and discussions – Preparation – Drying – Firing – Driven technology German Ceramics Society	Technical Ceramics and Powder Metallurgy Day Session II Key technology and equipment Fraunhofer IKTS/TASK and FPM— Powder Metallurgy Trade Association	Heavy Clay Day Session II Heavy Clay Day Zi—Ziegelindustrie International, Bauverlag BV GmbH		13:00 – 13:30
14:00 – 14:30					14:00 – 14:30
14:30 – 15:00					14:30 – 15:00
15:00 – 15:30	Global resources, local solutions Sibelco Europe	Technical Ceramics and Powder Metallurgy Day Session III Technical ceramics as key components Fraunhofer IKTS/TASK and FPM— Powder Metallurgy Trade Association	Heavy Clay Day Session III Heavy Clay Day Zi—Ziegelindustrie International, Bauverlag BV GmbH		15:00 – 15:30
15:30 – 16:00	A new generation of nanoscale ceramic high-performance materials IBU-tec advanced materials AG				15:30 – 16:00
16:00 – 16:30					16:00 – 16:30
16:30 – 17:00	New energies for the ceramics industry BERALMAR TECNOLOGIC, S.A.				16:30 – 17:00
17:00 – 17:30		Technical Ceramics and Powder Metallurgy Day Session IV Networks Fraunhofer IKTS/TASK and FPM— Powder Metallurgy Trade Association			17:00 – 17:30
17:30 – 18:00		Get-together at Meeting Point Ceramics in Hall B6, Stand 151/250			17:30 – 18:00
after 17:50					after 17:50
Conference Room A61/62		thinking VDMA			Conference Room A61/62
Hall A5 Stand 331	Energy and cost efficiency VDMA	Energy and cost efficiency VDMA	Energy and cost efficiency VDMA	Energy and cost efficiency VDMA	Hall A5 Stand 331

15:00 – 17:00

Session III:
Technical ceramics as key components

Moderation:

Dr.-Ing. Michael Zins, Vice Director, Fraunhofer IKTS,
 Managing Director, TASK GmbH, Dresden

15:00 – 15:15

**New market power engineering—
 Manufacturer for 2 mio tubes requested**

Prof. Christoph Broeckmann, Head of Institute,
 RWTH-IWM Aachen, Aachen
Dr. Ewald Pfaff, Head of Business Unit,
 RWTH-IWM Aachen, Aachen

15:15 – 15:30

**Wear protection by ceramic components—
 From extruder system to locating pins**

Holger Wampers, Managing Director, DoCeram GmbH,
 Dortmund

15:30 – 15:45

**Ceramics as filters and membranes—
 Reduction of costs by environment technology**

Christian Münch, Kerafol GmbH, Eschenbach i.d.Opf.

15:45 – 16:00

Ceramic components and thermal analysis

Dr. Jürgen Blumm, Managing Director,
 NETZSCH-Gerätebau GmbH, Selb
Erwin Kaisersberger, Sales & Applications Support,
 NETZSCH-Gerätebau GmbH, Selb

16:00 – 16:15

Peltier elements—Key components with big impact

Alexander Gronner, Head of Sales Force,
 Memmert GmbH + Co. KG, Schwabach

16:15 – 16:30

**Large nonoxide technical ceramic components—
 Applications in mechanical engineering**

Dr. Gerhard Wötting, Development and technical
 Marketing, FCT Hartbearbeitungs GmbH, Sonneberg

16:30 – 16:45

**Non-destructive testing—Computer tomography
 and thermography**

Prof. Dr. Christian Boller, Director,
 Fraunhofer IZFP, Saarbrücken
Dr. Michael Maisl, Head of Business Unit,
 Fraunhofer IZFP, Saarbrücken
Dr. Eckhardt Schneider, Head of Business Unit,
 Fraunhofer IZFP, Saarbrücken

Session IV: Networks

Moderation:

Prof. Herbert Danninger, Head of Institute,
 Technische Universität, Vienna

**Expert groups as a source of innovation
 in the Gemeinschaftsausschuss Pulvermetallurgie
 (Joint Powder Metallurgy Association)**

Prof. Herbert Danninger, Head of Institute,
 Technische Universität, Vienna

The German Ceramics Society in European networks

Dr. Markus Blumenberg, Managing Director,
 German Ceramics Society, Cologne

**The French Ceramics Competiveness Cluster—
 Pôle Européen de la Céramique**

Vincent Collins, Managing Director, Pôle Européen
 de la Céramique, Limoges Cedex

Ceramic components and technologies from USA

Jeff Brundage, Sales Manager,
 Superior Technical Ceramics, Burlington, Vermont

Meeting Point Ceramics—Innovation by cooperation

Dr.-Ing. Michael Zins, Vice Director, Fraunhofer IKTS,
 Managing Director, TASK GmbH, Dresden

**Get-together at Meeting Point Ceramics in Hall B6,
 Stand 151/250**

17:00 – 18:00

17:00 – 17:10

17:10 – 17:20

17:20 – 17:30

17:30 – 17:40

17:40 – 17:50

after 17:50

10:00 – 16:30

Heavy Clay Day

ZI—Ziegelindustrie International, Bauverlag BV GmbH, Gütersloh

All industrial branches and in particular the heavy clay industry are facing the challenge of making efficient use of resources and offering energy efficient products and processes. Among other things the "Heavy Clay Day" throws light on the subject of energy efficiency in its full spectrum, from the manufacture of the products (energy efficient drying and firing) and energy optimisation of the entire production process through to the energy efficient house, and illustrates the potential and possibilities for the sector.

10:00 – 12:00

Session I

10:00 – 10:30

Sustainable energy efficiency optimisation

Dr.-Ing. Philip Bahke, Project Manager Bayer Climate Check, Bayer Technology Service GmbH, Leverkusen

10:30 – 11:00

Heat accumulators for intermediate storage of combined system heat in the brick plant

Dr.-Ing. Karsten Junge, Head of Institute, Institut für Ziegelforschung Essen e.V., Essen

11:00 – 11:30

New possibilities for energy saving during drying

Christian Wagner, Managing Director, Novokeram Max Wagner GmbH, Krumbach

11:30 – 12:00

Energy parameters as a basis for successful energy management

Thomas Schedl, Managing Director, Berg Energiekontrollsysteme GmbH, Martinsried

Session II**Raw material clay—The finest that nature has to offer**

Dr. rer. nat. Lutz Krakow, Owner-Manager, Dr. Krakow RohstoffConsult, Göttingen

Alternative fuels—Possibilities for energy saving

Eckhard Rimpel, Project Manager Environmental and Process Engineering, Institut für Ziegelforschung Essen e.V., Essen

Energy efficiency with refractory systems

Márton Varga, Managing Director, BURTON GmbH + Co. KG, Melle/Buer

Session III**Brick architecture in Europe—How can we arouse enthusiasm for building with brick?**

Waltraud Vogler, Managing Director, Ziegel Zentrum Süd e.V., Munich

The energy efficient brick house of the future

Alexander Lehmden, Product Management, Wienerberger AG, Vienna

Global savings potentials by utilising modern structural ceramic building methods

Frank Appel, Managing Director, LINGL GmbH & Co. KG, Krumbach

13:00 – 14:30

13:00 – 13:30

13:30 – 14:00

14:00 – 14:30

15:00 – 16:30

15:00 – 15:30

15:30 – 16:00

16:00 – 16:30

10:00 – 12:00

India Day—Market trends in the various ceramics sectors in India

VDMA India

cfi—ceramic forum international, Göller Verlag GmbH

In November 2008 the 5th CERAMITEC Roundtable was organised by Messe München International, VDMA India and cfi—ceramic forum international in Mumbai. The Roundtable focused on market developments in various segments of the Indian industry. The India Day Forum at CERAMITEC 2009 is conceptualised as a follow-up meeting of the Indo-European group to discuss the situation of the Indian ceramics industry after the recent elections and effects of the global recession. Various statements from European and Indian companies will help to give an overview of the ceramics market in India and evoke an interactive discussion with the audience.

Moderation: Karin Scharrer, Editor-in-Chief,
cfi—ceramic forum international, Baden-Baden

10:00 – 12:00

Market trends in the various ceramics sector in India—Panel discussion

10:00 – 10:30

Welcome and introduction

Rajesh Nath, Managing Director,
VDMA Liason Office India, Kolkata

Karin Scharrer, Editor-in-Chief,
cfi—ceramic forum international, Baden-Baden

10:30 – 11:30

Statement—European/Indian partnership

Adan Damle, Managing Director, De Boer Transweigh
India Privated

Statements—German companies doing business in India

Barbara Kruft-Steuler, Business Development Manager,
Almatis—raw materials

Helmut Hansen, Managing Director, CERIC Wistra—kilns
Kerstin Kuhn, Technical Manager, Duravit—sanitaryware

Statements—Export from India

Christiane Hofmann, Business Development Manager,
Jyoti—ceramic components

Sandeep Dave, Director, Neptun—machinery

11:30 – 12:00

Overview of the tableware and pottery industry in India

Swapan Guha, Managing Director of Hopewell Ceramics
and President of Indian Ceramics Society

Visitors ask, experts answer



The Leading Ceramics Magazine.



cfi – ceramic forum international provides a monthly overview of state-of-the-art technology and the latest developments within the ceramics industry.

**Tiles • Sanitaryware • Carbon •
Heavy Clay Ceramics •
Refractories • Powder Metallurgy •
Technical Ceramics • Tableware**

**Incl. Special Edition ASIA/INDIA and
EASTERN EUROPE**

forum