

Press Release

Baden-Baden, Germany, March 2020

CERAMIC APPLICATIONS (Hall 23 / Stand A32)

CERAMIC APPLICATIONS is a platform, which presents the expertise of Technical Ceramics. 73 partners (52 ceramics manufacturers, 4 equipment and 13 raw material suppliers respectively, and on top 4 institutes) - with 42 German participants as well as experts from Switzerland, Austria, Portugal, the Netherlands, India, Bulgaria, Japan, Spain, Great Britain, France, Singapore, Norway, Sweden, Belgium, Brazil, Hungary and Slovenia - show innovations of the multi-faceted sector of Technical Ceramics.

The whole technology chain from raw materials, manufacturing equipment to the final products will be showcased. But the focus is on ceramic components, which offer material solutions to the various user industries especially when other materials fail (e.g. if highest abrasion and corrosion resistance of high temperature properties are needed).

Following few examples show various applications and demonstrate the wide portfolio of ceramic materials:

heat sinks for LED technology made from microstructure optimised alumina, zirconia caps for dental applications, magnesia-based crushable ceramics for nuclear fusion reactors, ceramic spacer cans for corrosion resistant pumps, SiC-bonded diamond wear parts for sub-sea applications, piezo-ceramic sensors for applications in automotive or industry 4.0, CMC components for enhanced energy efficiency in heating processes or pure transparent ceramics with mechanically, chemically, thermally, and optically superior properties.

www.ceramic-applications.com

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