

Indo-German Workshop: BIODENT

Design and manufacturing of biomaterials and implants for dental, cranio-maxillofacial reconstruction and bone regeneration

The Indo-German workshop BIODENT, “Design and manufacturing of biomaterials and implants for dental, cranio-maxillofacial reconstruction and bone regeneration”, co-chaired by Prof. Aldo R. Boccaccini (Friedrich-Alexander-Universität Erlangen-Nürnberg) and Prof. Bikramjit Basu (Indian Institute of Science, Bangalore), was successfully organized during February 13-15, 2023 at the Department of Materials Science and Engineering, Institute of Biomaterials, University of Erlangen-Nuremberg, Germany. The workshop was sponsored by the Indo-German Science and Technology Centre (IGSTC) and endorsed by the American Ceramic Society (ACerS). The program featured an impressive list of invited and contributed speakers from India and Germany, with 11 sessions, including three sessions dedicated to presentations by young scientists. In addition to the presentations coming from academia, the program also involved special sessions with clinicians and speakers from industry. Three special sessions featuring “best oral presentation” competition among 11 young researchers from Germany, India, Belgium were judged by a team of 2 academic researchers and 2 clinicians were organized and three prizes, sponsored by the Germany Chapter of ACerS, were given to the winners at the concluding session.

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February 13-15, 2023, Department of Materials Science and Engineering, Institute of Biomaterials, University of Erlangen-Nuremberg.

Winners of Young Researchers' session

First prize winner: Richard Frank Richter (Technische Universität, Dresden)

Title of the talk: Calcium phosphate cement and mesoporous bioactive glass as a 3D printable composite for the treatment of critical alveolar bone defects

E-mail: richard_frank.richter@tu-dresden.de



Second prize winner: Deepa Mishra (Indian Institute of Science, Bangalore, India)

Title of the talk: Unravelling impact of hybrid threaded zirconia implant on biomechanical response in peri-prosthetic bone: An *in silico* model

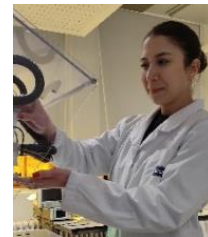
E-mail: mdeepa@iisc.ac.in



Third prize winner: Berfu Göksel (Katholieke Universiteit Leuven, Belgium)

Title of the talk: Production of High-Density Monolithic Alumina Toughened Zirconia Parts with Material Extrusion for Dental Implant Applications

E-mail: berfu.goeksel@kuleuven.be



Winner of Young Researchers' session (with their certificates) with IGSTC organizers and panel members