



MAPEX Bremen
Material. Process. Excellence.



01

03-2016

MAPEX COMMUNITY

People



II MAPEX SPEAKER PROF. LUCIO COLOMBI CIACCHI

the all-round man for new governance in materials science

Since 2014 is Lucio Colombi Ciacchi the speaker of the newly established MAPEX Center for Materials and Processes. He wholeheartedly supports the initiative, actively linking scientists from different faculties and institutes to facilitate and initiate cooperative scientific projects.

The sporty Italian studied Materials Engineering at the University of Trieste, with stays abroad in Regensburg and Dresden, where he later on started his scientific career and obtained his doctorate. After a postdoc phase at the University of Cambridge, he chose Germany as his new scientific basis due to the very open and transparent science system. An Alexander von Humboldt scholarship and an Emmy Noether grant allowed him a high degree of scientific freedom and the chance to build up his own research groups at the Freiburg Fraunhofer Institute for Mechanics of Materials and at the University of Karlsruhe.

In 2008 Lucio Colombi Ciacchi was appointed at the Faculty of Production Engineering at the University of Bremen. As a professor for ‚Hybrid Materials Interfaces‘ he joined the interdisciplinary Bremen Center for Computational Material Science (BCCMS). His research interests lie at the interfaces between technical materials and biological macromolecules, with a special focus on the dynamics of individual atoms. Embedded both within the BCCMS and the UFT (Center for Environmental Research and Sustainable Technology), his group focusses on atomistic simulations coupled with atomic force microscopy and circular dichroism experiments.

As the dean of studies in his faculty, he devotes himself to all issues concerning teaching and doctoral education: “Especially for young scientists, the interdisciplinary MAPEX network is of enormous benefit.”

from framework structures to strategic networks

In early 2015 Hanna Lührs joined the MAPEX Center for Materials and Processes as its scientific manager. Together with the MAPEX speaker Lucio Colombi Ciacchi and the executive board, she is jointly responsible for all MAPEX activities and the first contact point for all organizational issues. To her, the support of early career scientists is a matter of utmost importance; she has therefore directly initiated several measures explicitly dedicated to PhD students and postdocs.

Hanna Lührs studied Geosciences and Minerals and Materials Science at the University of Bremen, with two extended internships in the research and development divisions of the BMW group in Munich and the Robert Bosch GmbH in Gerlingen. She obtained her MSc degree for a crystallographic thesis on zeolite A, an industrially important microporous framework material. For her doctoral thesis, entitled "The Influence of Boron on the Crystal Structure and Properties of Mullite", she was awarded the Bremer Study Prize for the best doctoral thesis in the field of natural and engineering sciences. As a postdoc she was involved in the setup of a laboratory for the growth of large single crystals from melts.

With her working experience as an experimental scientist at the University of Bremen, it was a high priority to her to build up a central database containing the analytic infrastructure available within the groups of MAPEX members and facilitating the analytic work, especially for young and newly arrived scientists.

As a passionate skier Hanna Lührs likes to spend her holidays in the mountains together with family and friends. Alongside her professional career, she also demonstrates deep social commitment as a longtime member of the executive board of the Bremen Skiing Club, where she leads the ski school with more than 100 active trainers.

II CONTACT



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» Common topics and goals and a good interpersonal communication are the essence of a successful cooperation. «

» 'We really need to talk to each other' – I hear this sentence whenever scientists meet for the first time during a MAPEX event. «