



**Period: Winter Term 2019/20**

**Time: Thursdays at 11.45. c.t. Venue: RUB, IC 04 – 410**

11.45-12.00 *Get together*  
12.00-13.00 *Talk & Discussion*

DATE	GUEST/TITLE
October 31, 2019	<b>Dr. Anna Grünebohm, ICAMS, Ruhr Universität Bochum</b> Scale-bridging computational design of multifunctional ferroelectric composites <i>Host: R. Drautz</i>
November 21, 2019	<b>Dr. Timm Krüger, Chemical Engineering, University of Edinburgh</b> Challenges of cellular blood flow modelling in health (and disease) <i>Hosts: F. Varnik, I. Steinbach</i>
December 5, 2019	<b>Prof. Dr. Jürgen Rödel, FG Nichtmetallische-Anorganische Werkstoffe, TU Darmstadt</b> , Dislocation-based functionality in oxides, <i>Host: G. Eggeler</i>
December 12, 2019	<b>Prof. Dr. Nina Gunkelmann, Institute of Applied Mechanics, TU Clausthal</b> MD simulations of nanoindentation and -scratching of metals and metal oxides <i>Host: A. Hartmaier</i>
January 23, 2020	<b>Prof. Dr. Manfred Kohl, Institute of Microstructure Technology, KIT, Eggenstein-Leopoldshafen</b> , Magnetic shape memory alloys for energy harvesting <i>Host: A. Ludwig</i>
January 30, 2020	<b>Dr.-Ing. Anja Waske, Non-Destructive Testing, BAM, Berlin</b> Magnetic functional materials for cooling and energy harvesting <i>Host: A. Grünebohm</i>

The *Materials Science and Technology Seminar* is jointly organized by the *IfM* (Institute for Materials) and *ICAMS* (Interdisciplinary Centre for Advanced Materials Simulation). Members of the *RUB Materials Research Department MRD* and of the *DGM Regionalforum Rhein-Ruhr* are cordially invited to participate in the seminar. For further information please contact: Dr. Manuel Piacenza, [icams@rub.de](mailto:icams@rub.de), phone: +49 234 32 25480.