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Online Team meeting March 9th, 10 am (GMT)
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Programme

10:00 **Prof Yoshio Sakka,** Materials processing using a strong magnetic field

10:25 **Prof Helena Azvedo**, Magnetic Field-Induced Alignment of Nanofibrous Supramolecular Membranes

10:35 **Dr. Peter Tatarko**, Highly textured and strongly anisotropic TiB_2 ceramics

10:45-11:00 **Dr. Salvatore Grasso** Introduction to MagMat followed up by open discussion.

Yoshio Sakka is Senior Scientist at the National Institute for Materials Science (NIMS) of Tsukuba, Ibaraki, Japan. He received PhD in 1983 from Kyushu University for his work on cationic diffusion of zirconia solid solution systems. From 2011 to 2016 he was Unit Director at Advanced Materials Processing Unit, NIMS. Yoshio Sakka is author or co-author of 19 books, above 600 original referee's papers, above 100 review papers, and above 80 patents (including application); Fabrication of innovative ceramics through the development of nanoparticle processing; Fulrath award from American Ceramic Society (May, 2000), academic achievement from the Japanese Ceramic Society (May, 2005), Chinese Ceramic Society Award (Oct., 2005), Academy member of World Academy of Ceramics (July, 2009), Fellow of Japanese Ceramic Society (June, 2016). He received the Richard Brook Award from European Ceramic Society in June 2011.

Helena Sepúlveda Azevedo Molecular Biomaterials Group leader Helena has recently been appointed ERA Chair in Molecular Bioengineering at i3S where she is leading the Molecular Biomaterials Group. Before, she was a Reader in Biomedical Engineering & Biomaterials at the School of Engineering & Materials Science in Queen Mary University of London (QMUL) where she took different roles and responsibilities. She was the Programme Director of the undergraduate and postgraduate degrees in Biomedical Engineering (2016-2022) and was the Director of Operations of the Institute of Bioengineering at QMUL (2015-2017). Her work focuses on self-assembling biomaterial platforms for cell culture, drug delivery, regenerative medicine, and biosensing. She is author of >100 publications, including papers in Science, Nat Chem, Nat Comm, Adv Funct Mater, Nano Lett, Adv Health Mater, and has edited 3 books on natural-based biomaterials, self-assembling biomaterials and soft matter for biomedical applications.

Dr. Peter Tatarko is a senior researcher, and a vice-chair of the management board at the Institute of Inorganic Chemistry of Slovak Academy of Sciences in Bratislava, Slovakia. After receiving a PhD degree in Materials Science at the Institute of Materials Research of Slovak Academy of Sciences in 2011, for 2 years he worked at the Institute of Physics of Materials of the Czech Academy of Sciences, and 3 years at Queen Mary University of London at the School of Engineering and Materials Sciences. Since 2017, he has worked as a senior researcher at the Institute of Inorganic Chemistry. His research activities are mainly focused on the development of new ceramic materials for extreme environments, such as Ultra-High Temperature Ceramics, or High Entropy Ceramics, and the development of new joining materials and technologies for integration of advanced ceramics. He is also involved in the development of new bio-ceramic materials that serve as bone substitutes in a human body. He is an Associate Editor of the International Journal of Applied Ceramic Technology of the American Ceramic Society, and an editorial board member of the journal Materials. He has been a principal investigator and a coordinator of 11 projects, including one EU project within Horizon 2020 scheme, and co-investigator of over 40 projects, including 4 EU projects within FP7 scheme.