



Session Title	Magnetic Nanomaterials	Session Code	Mo-B1
Date and Time	2018-08-20 / 10:30 - 12:30		
Place	Room B		
Session Chair	TBA		

Mo-B1-1

10:30 - 11:00

[Keynote] Self-Controlled Magnetic Nanohyperthermia: Ideas, Materials, Prospects of Core-Shell Architecture

Oleksandr Tovstolytkin
Inst. of Magnetism, Ukraine

Mo-B1-2

11:00 - 11:30

[Invited] Improving the Properties of Iron Oxide in the Ranostic Applications by the Use of Elongated Nanoparticles

Javier Muro-Cruces¹, Alejandro G. Roca¹, Alberto López-Ortega², Miryana Hemadi³, Igor V. Golosovsky⁴, and Josep Nogués^{1,5}

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Mo-B1-3

11:30 - 12:00

[Invited] Structural and Spin Interfaces within a Single Magnetic Nanoparticle

Barbara Pacakova^{1,2}, Simona Kubickova³, Alice Reznickova³, Gorca Salas⁴, Marzia Marciello⁵, Puerto Morales⁵, Daniel Niznansky³, Martin Kalbac¹, Marco Sanna⁶, Carla Cannas⁶, and Jana Vejpravova³

¹Czech Academy of Sci., Czech, ²Norwegian Univ. of Sci. and Tech., Norway, ³Charles Univ., Czech, ⁴IMDEA Nanosci., Spain, ⁵Inst. de Ciencia de Materiales de Madrid, Spain, ⁶Univ. Degli Studi Di Cagliari, Italy

Mo-B1-4

12:00 - 12:30

[Invited] Low-Temperature Synthesis of High- M_s Iron-based Nanoparticles and Their Nano-Composite Structure for Highly Functionalized Magnetic Device Applications

Tomoyuki Ogawa^{1,2}

¹Tohoku Univ., Japan, ²Future Materialz Co. Ltd., Japan