

3rd Workshop on Magnetic Nanoparticles and Hyperthermia

Anisotropy and Other Adventures

Workshop venue: Salón de Actos, Faculty of Optics and Optometry, Universidade de Santiago de Compostela, Spain

Date: 19 - 21 April 2023

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Wednesday 19th: Tutorials on magnetic anisotropy

Time	Speaker	Title
15:00	Víctor Pardo, Universidade de Santiago de Compostela, Spain	Anisotropy from a fundamental perspective
15:40	Òscar Iglesias, Universitat de Barcelona, Spain	From bulk to nano – <i>effective</i> anisotropy
16:20	Luís Fernández Barquín, Universidad de Cantabria, Spain	Experimental determination of the anisotropy constant
17:00	Coffee break	
17:30	María Luísa Fernández-Gubieda, University of the Basque Country (UPV/EHU), Spain	Magnetic anisotropy and hyperthermia
18:10	Carlos M. Rinaldi-Ramos, University of Florida, US	Principles of MPI – Tracer Development, Image Analysis, and MPI Guided Hyperthermia

Thursday 20th and Friday 21st – research talks

Thursday 20 th	
Session 1	Experimental I: how to obtain the SAR value?
09:00	Quentin Pankhurst, University College London, UK
09:25	Robert Ivkov, The Johns Hopkins University School of Medicine, US
09:50	Francisco Terán, iMdea Nanociencia, Spain
10:15	Sergiu Ruta, Sheffield Hallam University, UK
10:40	Round table
11:10	Carl Jones, NanoTherics
11:25	Coffee break
Session 2	Experimental II
12:20	O. Thompson Mefford, Clemson University, US
12:45	Juan de Vicente, Universidad de Granada, Spain
13:10	José Rivas, Universidade de Santiago de Compostela, Spain
13:35	Lunch time
Session 3	Local heating
14:45	Teresa Pellegrino, Istituto Italiano di Tecnologia, Italy
15:10	Hamid Kachkachi, PROMES, University of Perpignan, France
15:35	Oksana Chubykalo-Fesenko, ICMM-CSIC, Spain
16:00	Jonathan Leliaert, Ghent University, Belgium
16:25	María del Puerto Morales, ICMM-CSIC, Spain
16:55	Round table
17:30	Poster session with coffee

	<i>Friday 21st</i>
Session 4	Colloidal evolution
09:00	Akira Satoh, Akita Prefecture University, Japan
09:25	Ondrej Hovorka, University of Southampton, UK
09:50	Patricia de la Presa, Universidad Complutense de Madrid, Spain
10:15	Lucía Gutiérrez, Universidad de Zaragoza, INMA-CSIC, Spain
10:40	Coffee break
11:25	Igor Poperechny, Institute of Continuous Media Mechanics, Russia
11:50	Carles Calero, Universitat de Barcelona, Spain
12:15	Susel del Sol Fernández, INMA-CSIC, Spain
12:40	Round table
13:15	Closing of the workshop

Organizers:

LABSIS - iMATUS, Universidade de Santiago de Compostela, Spain
Computational Magnetism Group, University of York, UK

Collaborators:

Conexión Nanomedicina-CSIC, Spain
RSC Chemical Nanoscience & Nanotechnology Group, UK
Materials for Medicine and Biotechnology Group (MaMBIO), ICMM-CSIC, Spain

Coordinators: David Serantes, Roy Chantrell



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