



07th Conference of
OUTLOOK CONFERENCES



International
**MAGNETISM AND
MAGNETIC MATERIALS
CONFERENCE**

November 11-12, 2019 | Venice, Italy

<https://www.outlookconferences.com/>

Day 1 November 11, 2019

Main Hall

08:30-09:30 Registrations
09:30-10:00 Introduction & Opening Words

Chair of Conference:
Poulon Angeline, France

Plenary Forum

10:00-10:45 **Title: Ferromagnetic Kinetic Exchange Interaction**
Liviu F. Chibotaru, Catholic University of Leuven, Belgium

Keynote Forum

10:45-11:25 **Title: Giant Negative Magnetization in High Quality Complex Oxide Thin Films**
Mikel Barry Holcomb, West Virginia University, USA

Refreshments Break 11:25-11:40 @ Foyer

11:40-12:20 **Title: The Anisotropic Magnetocaloric Effect in Heusler Type Materials: Key Role of Magnetic and Microstructural Transitions**
Poulon Angeline, University of Bordeaux, France

12:20-13:00 **Title: Photo Structural Sol-Gel Material Doped with Magnetic Nanoparticles for Magneto-Optical Applications**
Dominique Berling, University of Haute Alsace Mulhouse, France

Group Photo 13:00-13:05

Lunch Break 13:05-14:00 @ Restaurant

14:00-14:40 **Title: Thermomagnetic Properties of DyCu₂ in Comparison with NdCu₂, Calculated by Atomic Matters MFA Computation System**
Rafal Michalski, ATOMIC SYSTEMS, CEO, Poland

14:40-15:20 **Title: Unexpected Magnetism in Coinage Metal Nanostructures**
Simon Trudel, University of Calgary, Canada

15:20-16:00 **Title: Spin Tripletsuper Conductivity in Boron Doped Diamond through Symmetry Breaking Effects and Spin Valve Behavior of Gd-functionalized Carbon Nanotubes**
Somnath Bhattacharyya, University of Witwatersrand, South Africa

Refreshments Break 16:00-16:15 @ Foyer

16:15-16:55 **Title: Analysis of Bacterial Contaminant in Tap Water Supply using Near Infrared Spectroscopy**
Herlina Abdul Rahim, University of Technology, Malaysia

16:55-17:35 **Title: Electro-magnetic Warming of Vitrified Full Thickness Osteochondral Grafts by Inductive Heating of Fe Nanoparticles**
Kelvin GM Brockbank, Clemson University, USA

Invited Talks

17:35-18:15 **Title: Strange Non-Chaotic Attractors in Spin Valve Systems**
Ana Maria Cabanas Plana, University of Tarapaca, Chile

Closing the Conference for the Day 1

Day 2 November 12, 2019

Main Hall

Keynote Forum

- 09:15-09:55** **Title: Experimental Evaluation of the Magnetism in Dilute Ferromagnetic Semiconductors on the Example of (Ga,Mn)(Bi,As) Epitaxial Layers**
Khrystyna Levchenko, Institute of Physics, Polish Academy of Sciences, Poland
- 09:55-10:35** **Title: Improvement of Electric Conductivity and Fatigue Resistance of Cu-Ni-Si Alloys Strengthened by Continuous and Discontinuous Precipitates**
Masahiro Goto, Oita University, Japan
- 10:35-11:15** **Title: Ferromagnetic Topological Crystalline Insulating Phase in the π -Stacked Graphene Nanobelts**
Małgorzata Wierzbowska, Institute of High Pressure Physics, Polish Academy of Sciences, Poland
- Refreshments Break 11:15-11:30 @ Foyer**
- 11:30-12:10** **Title: Unusual Thermomagnetic Properties of HoCu₂ Simulated by Atomic Matters MFA Computation System**
Jakub Zygadlo, Jagiellonian University, Poland
- 12:10-12:50** **Title: Magnon-Phonon Damping in the XY Model at Low Dimension**
Leonardo dos Santos Lima, Federal Technological Education Center of Minas Gerais, Brazil

Workshop

- 12:50-13:20** **Title: Study on the Graphene-Based Magnetic Tunnel Junction**
Peisen Li, Jiafei Hu, and Mengchun Pan -National University of Defense Technology, China
- Lunch Break 13:50-14:20 @ Restaurant**

End of the Conference



Save The Dates

2nd International Conference and Exhibition on

Magnetism and Magnetic Materials

December 14-15, 2020 | Lisbon, Portugal

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