

2018 InterMag Conference Program At-A-Glance

as of 2/27/18

Time	Session	Title	Location
Monday, April 23, 2018			
3:30 PM - 5:45 PM	TU	Tutorial on Antiferromagnetic Spintronics	Orchid I-II
Tuesday, April 24, 2018			
9:00 AM - 12:00 PM	AA	Symposium on Compensated Spintronics	Orchid I
	AB	Rare Earth Transition Metal Borides I	Orchid III
	AC	Microscopy, Imaging and Characterization I	Orchid IV
	AD	Spin-orbitronics I	Peony IV
	AE	Skyrmions, Vortices & Magnetisation Dynamics	Roselle II
	AF	Magnetic Recording: Components and Architecture	Peony I
	AG	Electrical Machines and Control I	Peony III
	AH	Sensors: Fundamental Developments and Materials I	Peony II
	AI	Emerging and Interdisciplinary Applications I	Orchid II
8:30 AM - 11:30 AM	AP	Bio-imaging and Bio-detection II	Simpdor/Roselle Ballroom
	AQ	High Frequency Magnetic Materials and Devices I	
	AR	Magneto-electronic Devices	
	AS	Nanoparticles and Nanostructured Arrays	
	AT	Permanent Magnet and Reluctance Machines I	
	AU	Permanent Magnet and Reluctance Machines II	
	AV	Soft Magnetic Materials I	
	AW	Transformers and Inductors: Modelling I	
2:00 PM - 5:00 PM	BA	Symposium on Synchrotron X-Ray and Neutron Sciences for Magnetism	Orchid I
	BB	Soft Magnetic Materials II: Amorphous and Nanocrystalline Materials	Orchid III
	BC	Bio-imaging and Bio-detection I	Orchid IV
	BD	Magnetic Tunnel Junction and Spin Orbit Torque	Peony IV
	BE	Spin Injection and Spin Torque Oscillators	Roselle II
	BF	Nanowires, Nanoparticles and Clusters	Peony I
	BG	Linear Motors I	Peony III
	BH	Sensors: Frontier Applications I	Peony II
	BI	Computational Magnetism: Micromagnetics and Ab-initio Calculations	Orchid II
1:30 PM - 4:30 PM	BP	TMR, VCMA and Multiferroic Materials I	Simpdor/Roselle Ballroom
	BQ	Energy Assisted Recording and Recording Media	
	BW	TMR, VCMA and Multiferroic Materials II	
	BR	Magnetic Oxide and Alloy Films	
	BS	Permanent Magnet and Reluctance Machines III	
	BT	Permanent Magnet and Reluctance Machines IV	
	BU	Rare Earth Transition Metal Borides II	
	BV	Spin-orbitronics II	
5:30 PM - 7:00 PM	XA	How to Get a Job in Industry, Academia or Government Lab	Orchid I
Wednesday, April 25, 2018			
9:00 AM - 12:00 PM	CA	Symposium on Skyrmions for the Future	Orchid I-II
	CB	Soft Magnetic Materials III: Crystalline Materials	Orchid III
	CC	Microscopy, Imaging and Characterization II	Orchid IV
	CD	Domain Wall Dynamics	Peony IV
	CE	High Frequency Magnetic Materials and Devices II	Roselle II
	CF	Magnetisation Dynamics I	Peony I
	CG	Modelling of Machines I	Peony III
	CH	Transformers and Inductors	Peony II
	8:30 AM - 11:30 AM	CP	Magnetic Therapies and Nanomedicine I
CQ		Domain Walls and Skyrmions	
CR		Fundamental Properties and Cooperative Phenomena I	
CS		Hard Magnets I	
CT		Linear Motors II	
CU		Linear Motors III	
CV		Sensors: Frontier Applications II	
CW		Sensors: Fundamental Developments and Materials II	

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Time	Session	Title	Location
2:00 PM - 4:00 PM	DA	Symposium on Magnetism in Biomedicine: Where Next?	Orchid I-II
	DB	Magnetic Fluids and Organic Magnetic Materials I	Orchid III
	DC	Spin-transport with Topological Materials	Orchid IV
	DD	Neuromorphic Computing	Peony IV
	DE	Antiferromagnetic Spintronics	Roselle II
	DF	Heat Assisted Recording Physics	Peony I
	DG	Energy Harvesters and Generators I	Peony III
	DH	Permanent Magnet and Reluctance Machines V	Peony II
4:00 PM - 6:00 PM	PL	Plenary	Orchid I-II
Thursday, April 26, 2018			
9:00 AM - 12:00 PM	EA	Symposium on Novel Hard Magnetic Materials and Their Applications	Orchid I
	EB	Magneto-elastic and Magneto-optic Materials	Orchid III
	EC	GMR, TMR, and Multiferroic Materials	Orchid IV
	ED	Spin-orbitronics III	Peony IV
	EE	Symposium on Recent Advances and Future Challenges of Computational Magnetism	Roselle II
	EF	Energy Assisted Recording	Peony I
	EG	Shielding, Electromagnetic Compatibility, Motors and Generators I	Peony III
	EH	Magnetic Semiconductors and Oxides	Peony II
	EI	Magnetic Therapies and Nanomedicine II	Orchid II
8:30 AM - 11:30 AM	EP	Exchange Coupling, Superconductivity and Electronic Structure I	Simpor/Roselle Ballroom
	EQ	Ferrite Materials and Applications	
	ER	Magnetic Bearings, and Levitation	
	ES	Magnetic Gears	
	ET	Magnetisation Dynamics II	
	EU	Micromagnetics I	
	EV	Microscopy, Imaging and Characterization III	
EW	Sensors: New Sensing Principles		
2:00 PM - 5:00 PM	FA	Symposium on Topological and Collective Magnetic Phenomena	Orchid I
	FB	Hard Magnetic Materials and Processing I	Orchid III
	FC	TMR, VCMA and Switching	Orchid IV
	FD	Magneto-caloric Materials I	Peony IV
	FE	Patterned Films and Elements	Roselle II
	FF	Spin Waves I	Peony I
	FG	Magnetic Bearings, Gears and Levitation	Peony III
	FH	Analysis and Optimisation of Electrical Machines I	Peony II
	FI	Fundamental Properties and Cooperative Phenomena II	Orchid II
1:30 PM - 4:30 PM	FP	Circuit Analysis of Transformers	Simpor/Roselle Ballroom
	FQ	Hard Magnetic Materials and Motor Applications	
	FR	Magnetic Fluids and Organic Magnetic Materials II	
	FS	Magneto-elastic Materials	
	FT	Modelling of Machines II	
	FU	Modelling of Machines III	
	FV	Spin Waves and Optical Magnetisation Switching	
FW	Transformers and Inductors: Modelling II		
5:30 PM - 7:00 PM	YA	Panel Discussion: The Future of Memory Technologies	Orchid I
Friday, April 27, 2018			
9:00 AM - 12:00 PM	GA	Symposium on the Present and Future of STT-MRAM	Orchid I
	GB	Nanostructured Hard Magnetic Materials	Orchid III
	GC	Magnetisation Switching and Magnon-Photon Coupling	Orchid IV
	GD	Spin-orbitronics IV	Peony IV
	GE	Exchange Coupling, Superconductivity and Electronic Structures II	Roselle II
	GF	Spin Waves II	Peony I
	GG	Modelling of Machines V	Peony III
	GH	High Speed Machines II	Peony II
	GI	Recording Systems and Head-Disk Interface	Orchid II

2018 Intermag Conference Program At-A-Glance

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Time	Session	Title	Location
8:30 AM - 11:30 AM	GP	Electrical Machines and Control II	Simpdor/Roselle Ballroom
	GQ	Emerging and Interdisciplinary Applications II	
	GR	Hard Magnetic Materials and Processing II	
	GS	High Speed Machines I	
	GT	Hysteresis Modelling I	
	GU	Inductors	
	GV	Modelling of Machines IV	
	GW	Ultrathin Films and Surface Effects I	
2:00 PM - 5:00 PM	HA	Symposium on Atoms, Molecules and Interfaces for Spin Quantum Engineering	Orchid I
	HB	Hard Magnets II	Orchid III
	HC	Magnetic Tunnel Junctions and STT-MRAM	Orchid IV
	HD	Spin Injection and Transport	Peony IV
	HE	Dynamics of Skyrmions	Roselle II
	HF	Ultrathin Films and Surface Effects II	Peony I
	HG	Permanent Magnet and Reluctance Machines VII	Peony III
	HH	Hysteresis Modelling II	Peony II
	HI	Transformers and Inductors: High Frequency Effects	Orchid II
1:30 PM - 4:30 PM	HP	Ab-initio Calculations	Simpdor/Roselle Ballroom
	HQ	Analysis and Optimisation of Electrical Machines II	
	HR	Energy Harvesters and Generators II	
	HS	Shielding, Electromagnetic Compatibility, Motors and Generators II	
	HT	Micromagnetics II	
	HU	Permanent Magnet and Reluctance Machines VI	
	HV	Recording Systems: Coding and Head-Disk Interface	
	HW	Magneto-caloric Materials II	
HX	Power Transformers		