

**Xth International Conference of European Federation of EPR Societies
4-8 September 2016, Torino, Italy**

Conference Program

Sunday 4th September			
h19.00-22.00	Registration and Welcome Party		Courtyard of the Rectorate of the University
Monday 5th September			
h8.45-9.00	Gian Maria Ajani, Rector of the University Elio Giamello, Chair of EF-EPR		Welcome and Conference Opening
Session 1			Chair: W. Lubitz
h9.00-9.45	PL01	Stefan Stoll	<i>"Is This Peak Real?": Uncertainty Quantification in DEER/PELDOR Spectroscopy</i>
h9.45-10.15	KN01	Stefan Weber	<i>Exploring Electron-Spin Polarization to Unravel Electron- Transfer in Photoactive Proteins</i>
h10.15-10.35	OP01	Graham Smith	<i>Zero Deadtime Pulsed EPR</i>
h10.35-11.05	Coffee Break		
Session 2			Chair: M. Lucarini
h11.05-11.35	KN02	Olivier Ouari	<i>Free Radicals as Polarizing Agents for DNP/MAS ssNMR at High Fields</i>
h11.35-11.55	OP02	Klaus Moebius	<i>Möbius-Hückel Topology Switching in Expanded Porphyrin Molecules: EPR, ENDOR, and DFT Studies of Doublet and Triplet Open-Shell Systems</i>
h11.55-12.15	OP03	Anna Eibel	<i>Novel Reaction Pathways of P- based Photoinitiators studied via EPR and TR-EPR</i>
h12.15-12.35	OP04	Antonio Barbon	<i>Resolving the electronic structure of ambivalent close shell-open shell molecules</i>
h12.35-14.30	Lunch		Posters
Session 3			Chair: B. Guigliarelli
h14.30-15.00	KN03	Sabine Van Doorslaer	<i>Peering in the Pocket: EPR of Heme Proteins Before and After Immobilization in Porous Materials.</i>
h15.00-15.20	OP05	Sara Della Monaca	<i>Effects of clinical laser treatments on the EPR spectrum of dental tissues</i>
h15.20-15.40	OP06	Elisabetta Mileo	<i>A new sterically shielded nitroxide-based spin label for in cell SDSL-EPR studies</i>
h15.40-16.00	OP07	Martina Huber	<i>Parkinson's Protein α-Synuclein: Membrane Binding Modes and Conformations by cw-EPR and DEER</i>
h16.00-16.30	Coffee Break		
h16.30-17.00	KN04	Lorenzo Sorace	<i>Vanadium(IV) complexes as potential multifunctional molecular qubits</i>
h17.00-18.00	Bruker presentation		

h18.00-19.30	Bruker Reception		
Tuesday 6th September			
Session 4			Chair: Z. Sojka
h9.00-9.45	PL02	Damien Murphy	<i>Applications of EPR for the Study of Earth Abundant Transition Metal Catalysts</i>
h. 9.45 – 10.05	OP14	Olav Schiemann	<i>EPR-Based Metal Ion Trilateration</i>
h. 10.05 – 10.25	OP15	Marilena Di Valentin	<i>Triplet-state spectroscopic ruler for high-sensitive PELDOR spectroscopy</i>
h. 10.25-11.05	Coffee Break		
Session 5			Chair: K. P. Dinse
h11.05-11.35	KN06	Marc Newton	<i>Exploring and Exploiting Colour Centres in Diamond</i>
h11.35-11.55	OP09	Stefano Paleari	<i>Conduction Electron Spin Resonance in Bulk Germanium and Germanium Quantum Wells</i>
h11.55-12.15	OP10	Piotr Pietrzyk	<i>Interaction of non-innocent ligand with transition-metal ions – insight into electronic and magnetic structure of Ni(II)-NO adduct in ZSM-5 zeolite</i>
h12.15-12.35	OP11	Alexander Bedilo	<i>Catalytic and Solid-State Reactions by EPR</i>
h12.35-14.15	Lunch		Posters
Session 6			Chair: C. Scholes
h14.15-15.00	PL03	Anton Savitsky	<i>ELDOR-Detected NMR: a Powerful EPR Technique for Hyperfine and Polarization Transfer Studies.</i>
h15.00-15.30	KN07	Inés García Rubio	<i>Iron Catalysts: What Hyperfine Spectroscopy Can Tell us to Understand their Structure</i>
h15.30-15.50	OP12	Hitoshi Ohta	<i>Development of Multi-Extreme THz ESR System</i>
h15.50-16.10	OP13	Malte Drescher	<i>Laser-Induced Magnetic Dipole Spectroscopy</i>
h16.10-16.40	Coffee Break		
Session 7 Ulderico Segre Prize (GIRSE)			Chair: D. Carbonera
h16.40-16.55	SP01	Claudia E. Tait	<i>Triplet state delocalization in conjugated porphyrin systems investigated by EPR</i>
h16.55-17.10	SP02	George Cutsail	<i>ENDOR Characterization of an Iron for Nitrogen Reduction</i>
h 17.10-17.50	EFEPR assembly		
Poster Session		h17.50-19.30	

Wednesday 7th September			
Session 8			Chair: M. Chiesa
h9.00-9.45	PL04	Vincenzo Barone	<i>From Structures and Magnetic Tensors to Full EPR Spectra of Large Free Radicals in Different Environments</i>
h9.45-10.15	KN08	Sergei A. Dzuba	<i>Determination of Pair Distance Distribution in Pulsed EPR of Spin Labels Using Monte Carlo Approach: Applications to Peptide Antibiotics and DNAs</i>
h10.15-10.35	OP08	Elisa Albanese	<i>Defects and Defect Induced Room Temperature Ferromagnetism in Metal Oxides: a Combined EPR and DFT Study</i>
h10.35-11.05	Coffee Break		
Session 9			Chair: E. Groenen
h11.05-11.50	PL05	Carole Duboc	<i>Multi-Frequency EPR Spectroscopy Combined with Quantum Chemistry for the Investigation of the Magnetic Anisotropy of Manganese (II, III and IV) Complexes</i>
h11.50-12.20	KN09	George Mitrikas	<i>Modulation Depth Enhancement of ESEEM Experiments using Pulse Trains</i>
h12.20-12.40	OP17	Aharon Blank	<i>Direct measurement of the flip-flop rate of electron spins in solid-state</i>
h12.40-13.00	OP18	Bela E. Bode	<i>Quantifying Binding and its Cooperativity from PELDOR Modulation Depths</i>
h13.00-14.30	Lunch		Posters
Social events (or free afternoon)			
h14.30-18.30	Guided tour at the <u>Reggia di Venaria</u> Guided tour to the historical cellars of <u>Fontanafredda</u> Guided walking tour discovering the <u>centre of Torino</u>		
h20.30-24.00	Conference dinner at "Il Circolo dei lettori"		
Thursday 8th September			
Session 10			Chair: E. Goovearts
h9.00-9.45	PL06	Thomas Prisner	<i>Improved Pulse Sequences for Dipolar Spectroscopy with Broadband Excitation Pulses</i>
h9.45-10.15	KN10	Marina Bennati	<i>Electron-Nuclear Polarization Transfer for Sensitivity Enhancement in EPR and NMR</i>
h10.15-10.35	OP19	Gunnar Jenske	<i>Optimization of Band-Selective Inversion Pulses</i>
h10.35-11.05	Coffee Break		
Session 11 IES activities			Chair: H. Ohta
h10.05-11.30	IES1	Sankaran Subramanian	<i>Time-domain in vivo imaging</i>
h11.30-11.50	IES2	Sergey Veber	<i>Thermally and photoinduced magnetostructural transitions in Copper-Nitroxide Based Molecular Magnets</i>

h11.50-12.15	IES3	Edgard Groenen	<i>EPR at 275 GHz: from nitroxides to transition-metal sites in proteins</i>
h12.15-12.40	IES4	Charles P. Scholes	<i>ESR from the Scholes Lab: ESR Fellow Lecture</i>
h12.40-13.30	General Assembly of IES and Awards presentation		
h13.30 -14.30	Lunch		Posters
Session 12			Chair: A. Schnegg
h14.30-15.15	PL07	Daniella Goldfarb	<i>Distance Measurements Using Gd(III) Labeling: Opportunities and Pitfalls.</i>
h15.15-15.35	OP20	Dmitry Azamat	<i>Spin-Phonon Relaxation Processes of Transition Metal Ions In ZnO</i>
h15.35-15.55	OP21	Peter Rapta	<i>EPR Spectroscopy and in situ EPR/UV-vis-NIR Spectroelectrochemistry of Metal Complexes with Noninnocent Ligands</i>
h15.55-16.10	Conclusive remarks		