



*First International Conference on Electron Magnetic
Resonance Applications
2-3 September 2024, Burgas, Bulgaria*

Programme

Monday, 2nd September 2024

Chair		Yordanka Karakirova
09:45–10:00	Opening ceremony	Yordanka Karakirova
10:00–10:45	cL1-Invited lecture: Operando EPR and hyperfine spectroscopy in heterogeneous catalysis	Gunnar Jeschke
10:45–11:15	Coffee break	
Chair		Martina Huber
11:15–12:00	cL2-Invited lecture: Investigating protein structure and function through paramagnetic substitution of natively bound metal ions	Bela E. Bode
12:00–12:35	cK1-Keynote lecture: Radiation defects in the radiophotoluminescence phosphor $\text{Ba}_3(\text{PO}_4)_2:\text{Eu}$	Henk Vrielinck
12:35–13:00	cO1-Oral presentation: Investigating electronic structure in transition-metal containing carbon nitride materials	Joseph E. McPeak
13:00–14:00	Lunch break	
14:00–15:35	Conference poster session	
15:35–15:45	Company presentation: ZEISS research innovative solutions in catalysis science	Anton Tonchev

Monday, 3rd September 2024

Chair		Katerina Aleksieva
09:00–09:45	cL3-Invited lecture: In vivo molecular electron paramagnetic resonance spectroscopy and imaging of cancer	Valery Khramtsov
09:45–10:30	cL4-Invited lecture: EPR approaches to intrinsically disordered proteins and metal-ion centres related to neurodegenerative disease	Martina Huber
10:30–11:00	Coffee break	
Chair		Henk Vrielinck
11:00–11:35	cK2-Keynote lecture: EPR spectra of combustion-generated fine particulates	Iliyana Naydenova



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Oral presentations

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| 11:35–12:00 | cO2: EPR characterization of intrinsic disorder in the RNA-binding protein SRSF1 | Laura Galazzo |
| 12:00–12:25 | cO3: Operando ESR investigation on defects of Al-doped ZnO support: from formation to reactivity | Zohreh Asadi |
| 12:25–13:50 | cO4: Reproducible research in electron paramagnetic resonance spectroscopy using R statistical language | Ján Tarábek |
| 12:50–13:00 | Closing ceremony | Yordanka Karakirova |