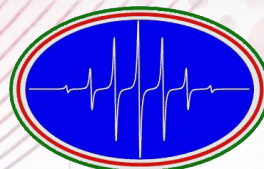


Association française de résonance
paramagnétique électronique



Gruppo Italiano di Risonanza
di Spin Elettronico

1st joint EPR school

From Continuous Wave to Pulsed EPR:

Concepts and Applications

3 - 7 June 2018

Carry-le-Rouet & Marseille, France

Theoretical and practical school on Electronic Paramagnetic Resonance (EPR), from basics to advanced concepts:

Radicals, Metals, Relaxation, Couplings techniques, Instrumentation, Pulsed EPR techniques and specific sequences.

Applications in physics, chemistry and biology: catalysis, photochemistry, materials, structural biology, dynamics...

Contents

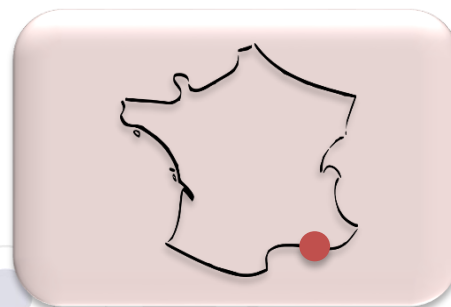
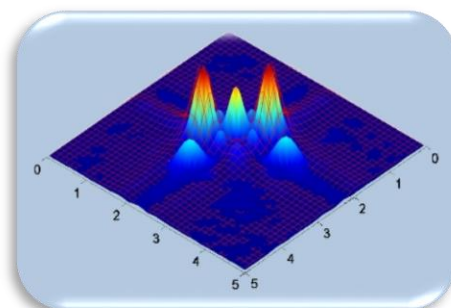
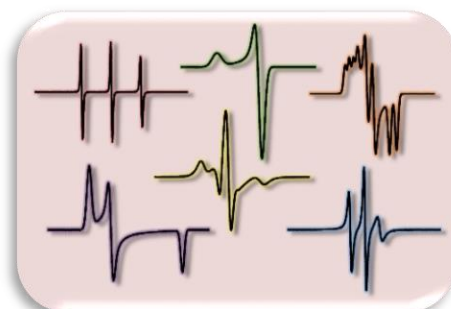
- 4 half-days of training courses
- 1 day with 2 parallel sessions (basics / advanced)
- 1 day of practical sessions in Marseille's laboratories
- Poster sessions

Registration Fees *including accomodation and meals*

- Academic: 580€
(or free for a limited number of CNRS employees)
- Student / Postdoc: 480€
- Industrial: 1500€

Contacts

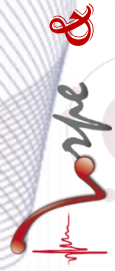
- Bruno Guigliarelli: guigliar@imm.cnrs.fr
- Carole Duboc: carole.duboc@univ-grenoble-alpes.fr



Information & Registration

www.a-rpe.fr





From Continuous Wave to Pulsed EPR: Concepts and Applications

Sunday 03/06/2018		Monday 04/06/2018		Tuesday 05/06/2018		Wednesday 06/06/2018		Thursday 07/06/2018	
		Anisotropy (g and A) M. Chiesa		Session 1: CW EPR		Session 2: Pulsed EPR		Applications	
		EPR for $S=1/2$ (D) L. Sorace		How to correctly record an EPR spectrum B. Guigliarelli		Pulsed EPR concepts S. Bertaina		<ul style="list-style-type: none"> •Organic catalysis & spin trapping <i>O. Ouari</i> •Heterogeneous catalysis <i>M. Chiesa</i> •Metal-based bio-inspired catalysis <i>C. Duboc</i> •Spin labeling & dynamics <i>M. Martinho</i> •Distances in biology by DEER <i>G. Sicoli</i> 	
		Flash presentations		Quantification L. Binet		Hyperfine spectroscopy (ENDOR HYSCORE) M. Di Valentini		Practicals in Marseille laboratories	
		Relaxation: principles and measurements B. Guigliarelli		Analysis of EPR spectra for $S=1/2$ C. Duboc		Dynamics, spin-spin interaction (DEER) V. Belle			
		Introduction to pulsed EPR techniques S. Gambarelli		Free time					
Welcome									
Isotropic Systems (g and A) S. Choua									
				Dinner					
Instrumentation S. Gambarelli		Photoinduced processes D. Carbonera		posters					