

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*

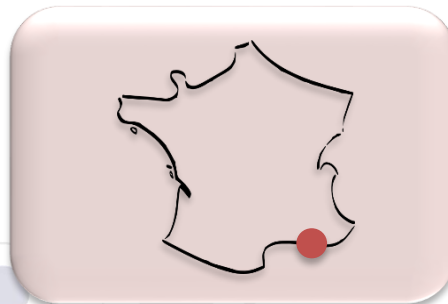
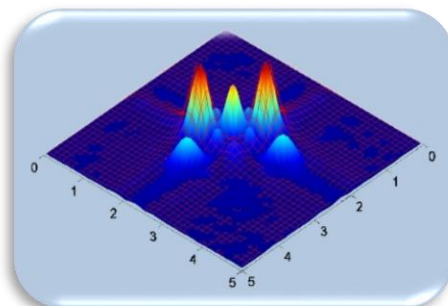
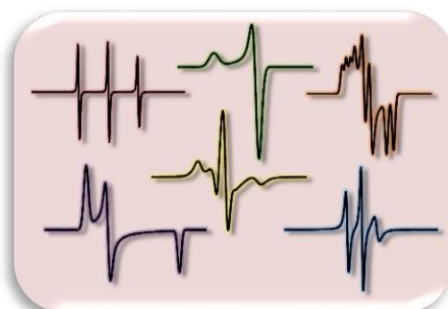
- Academic: 580€
(or free for a limited number of CNRS employees)
- Student / Postdoc: 480€
- Industrial: 1500€

Contacts

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Information & Registration

www.a-rpe.fr



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Sunday 03/06/2018	Monday 04/06/2018	Tuesday 05/06/2018		Wednesday 06/06/2018	Thursday 07/06/2018
		Session 1: CW EPR	Session 2: Pulsed EPR		Applications
	Anisotropy (g and A) <i>M. Chiesa</i> EPR for S>½ (D) <i>L. Sorace</i>	How to correctly record an EPR spectrum <i>B. Guigliarelli</i> Quantification <i>L. Binet</i>	Pulsed EPR concepts <i>S. Bertaina</i> Hyperfine spectroscopy (ENDOR HYSCORE) <i>M. Di Valentin</i>	Practicals in Marseille laboratories	- 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>
		Lunch			
Welcome Isotropic Systems (g and A) <i>S. Choua</i>	Flash presentations Relaxation: principles and measurements <i>B. Guigliarelli</i> Introduction to pulsed EPR techniques <i>S. Gambarelli</i>	Analysis of EPR spectra for S=½ <i>C. Duboc</i> Free time	Dynamics, spin-spin interaction (DEER) <i>V. Belle</i>		
		Dinner			
Instrumentation <i>S. Gambarelli</i>	Photoinduced processes <i>D. Carbonera</i>	posters			