

50 years of Optical Orientation



in Semiconductors

From the original discovery to new horizons

Paris 18-19 June 2018

Scope

In 1968, optical spin orientation in semiconductors was discovered by Georges Lampel. The symposium will celebrate fifty years of prolific research on the spin physics in semiconductors and its applications, around keynote/historical papers, while having a glimpse of the next (50?) years.

<https://www.50yearsopticalorientation.fr>

Preliminary List of Invited Speakers

- L. Besombes (Grenoble, France)
- C. Cohen-Tannoudji (Paris, France)
- S. Crooker (Los Alamos, USA)
- T. Dietl (Warsaw, Poland)
- M. Dyakonov (Montpellier, France)
- A. Fert (Palaiseau, France)
- S. Ganichev (Regensburg, Germany)
- M. Glazov (St-Peterburg, Russia)
- C. Hermann (Palaiseau, France)
- A. Imamoglu (Zurich, Switzerland)
- V. Jacques (Montpellier, France)
- C. Le Gall (Cambridge, UK)
- F. Pezzoli (Milano, Italy)
- C. Robert (Toulouse, France)
- V. Safarov (Palaiseau, France)
- A. Schmid (Berkeley, USA)
- G. Schmidt (Halle, Germany)
- M. Vladimirova (Montpellier, France)
- K. Von Klitzing (Stuttgart, Germany)



Spin in semiconductors :
spin-orbit, exchange, spin relaxation,...

Hyperfine interactions, Overhauser effect

Spin-dependent transport:
spintronics, valley-tronics, spin Hall effect

Spin polarized photoemission

Polarized electron sources

Organizing and Program Committee

Chair : X. Marie (Toulouse)

Honorary Chair : C. Weisbuch (Palaiseau)

T. Amand (Toulouse), G. Cassabois (Montpellier), J. Cibert (Grenoble), J-M. Gérard (Grenoble), O. Krebs (Marcoussis), M. Leduc (Paris), H. Mariette (Grenoble), D. Paget (Palaiseau), J. Peretti (Palaiseau), D. Scalbert (Montpellier).

Abstract submission deadline:
March 26th, 2018