

# International French-US Workshop

## *Toward low power spintronic devices*

*July 8th – 12th, 2013 in La Jolla, California*

The aim of this workshop is to gather the scientific and engineering communities in the fast growing field of spintronics and its applications. The workshop will cover the innovation process from scientific discovery to creating new products, including STT-MRAM, oscillators, and novel magnetic memory and logic structures. It will provide attendees opportunities to discuss new developments and to initiate collaborations and research projects. The workshop will benefit from the attendance of well-known contributors from academy, industry, and startups, but also from funding agencies and venture capital firms.

Two special sessions will be dedicated to fostering research cooperation between French and US researchers with emphasis on: fundamental science, innovation and education of the next generation of scientists.



### Invited speakers

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| A. FERT (Nobel Prize 2007): CNRS/ Thales (France) * | S.S.P. PARKIN : Stanford / IBM –Almaden (USA) * |
| J. Z. SUN: IBM-Yorktown Height (USA) *              | B. DIENY: Spintec (France) *                    |
| J. A. KATINE: HGST-WD- San Jose (USA) *             | B. CAMBOU: Crocus (France)                      |
| I. SCHULLER : UC San Diego (USA) *                  | J. VOGEL: Institut Neel (France) *              |
| K. LEE: Qualcomm- San Diego (USA) *                 | D. RALPH: Cornell University (USA) *            |
| A. HOFFMANN: Argonne National Laboratory (USA) *    | T. NOZAKI : Ozaka University (Japan) *          |
| T. ONO, Kyoto University (Japan) *                  | V. LOMAKIN: UC San Diego (USA) *                |
| Y. OTANI: University of Tokyo and RIKEN (Japan) *   | L.VILA: INAC-CEA (France) *                     |
| D. APALKOV: Samsung Electronics - Grandis (USA) *   | R. COWBURN: University of Cambridge (UK) *      |
| D.L STEIN: New York University (USA) *              | J. ÅKERMAN: University of Gothenburg (Sweden) * |

\*confirmed speakers

30 minute presentations for invited speakers, 15 minute presentations for selected contributing speakers, and a poster session will allow subjects to be discussed in depth.

Abstracts (see template online) must be submitted before March 1, 2013. Posters and oral presentations will be selected by the scientific committee and authors will be informed of the selection by April 1<sup>st</sup>.

## Registration will be accepted until June 1<sup>st</sup>

<http://nanomag.ucsd.edu/iwst/>

### Scientific committee

- E. E. Fullerton : University of California, San Diego
- A. Kent : New York University
- D. C. Worledge : IBM Yorktown
- S. Mangin : University of Lorraine/CNRS, France
- D. Ravelosona : University of Paris Sud/CNRS, France
- J.P. Nozière : Spintec, University Joseph Fourier/CNRS

### Organizing committee

- I. Villanueva : University of California San Diego
- P. Lambert : University of Lorraine
- E. Boyaux, University Paris Sud