

Priorité thématique: Matériaux Artificiels Nanostructurés



One day conference on Light and Nanomagnetism

Thursday July 2nd 2015

Amphi 8

(Faculté des Sciences et Technologies - 2^{ème} cycle)



9h30-10h00 : Welcome Stephane Mangin (*Institut Jean Lamour UMR CNRS- Université de Lorraine*)

10h00- 10h35: All-optical helicity-dependent magnetic switching in Tb-Fe thin films Manfred Albrecht (*University of Augsburg*)

10h35- 10h55: All-optical helicity-dependent magnetic switching in spintronic devices Mohammed El Hadri (*Institut Jean Lamour*)

10h55- 11h30: Femtosecond Spin Transfer Bert Koopmans (*Eindhoven University of Technology*)

11h30- 12h05: Magnetization dynamics at XFELs: From probing to pumping and beyond Jan Luning (*Univ. Pierre et Marie Curie, Paris*)

12h05- 12h40: Controlling interaction between magnons and plasmons Martin Aeschlimann (*TU Kaiserslautern*)

12h40- 14h00: **Lunch Break**

14h00 -14h35 : Optical control of ferromagnetic films and nanostructures Eric Fullerton (*University California San Diego*)

14h35 -14h55 : Ultrafast demagnetisation in non-collinear magnetic multilayers Sakshath Sadashivaia (*TU Kaiserslautern*)

14h55 -15h30 : Dynamics of spin and angular moments in Cobalt and Rare-Earth alloys Eric Beaurepaire (*CNRS –University of Strasbourg*)

15h30 -15h50 :Transient spin-polarized band structure of Co Moritz Ploezing (*FZ Jülich and TU Kaiserslautern*)

15h50- 16h10: **Coffee Break**

16h10 -16h30 : Hot electrons induced ultrafast demagnetization Gregory Malinowski (*Institut Jean Lamour UMR CNRS- Université de Lorraine*)

16h30 -17h05 : Probing ultrafast demagnetization with soft X-ray Boris Vodungbo (*Pierre et Marie Curie University*)

17h05 -17h25 : light induced voltage in MTJ grown on semiconductor substrates Yong Xu (*Institut Jean Lamour UMR CNRS- Université de Lorraine*)

17h25 -18h00: MOIF microscopy illumination of shape-critical properties of permalloy thin films Robert Shull (*NIST - Gaithersburg*)

