

Spécialité de Master « Optique, Matière, Plasmas »

Stage de recherche (4 mois minimum, à partir de début mars 2012)

Proposition de stage pour l'année 2011-2012 (**ne pas dépasser 1 page**)

Date de la proposition : 31 octobre 2011

Responsable du stage / internship supervisor: Keshav DANI			
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Courriel / mail:	KMDani@oist.jp		
Nom du Laboratoire / laboratory name: Femtosecond Spectroscopy Unit, Okinawa Institute of Science and Tech.			
Code d'identification :	Organisme : OIST		
Site Internet / web site:	http://www.oist.jp/en/research/research-units/unit-fs.html		
Adresse / address:	Okinawa, Japan		
Lieu du stage / internship place:	Okinawa, Japan		

Titre du stage / internship title: Ultrafast Spectroscopy of Advanced Materials
Résumé / summary
<p>Position Description: The Femtosecond Spectroscopy Unit (http://www.oist.jp/en/research/research-units/unit-fs.html) at the new Okinawa Institute of Science and Technology seeks M1 (or M2) FIP students in 2012 to conduct research in the broad areas of light matter interactions at the femto time-scale & nano length-scale. Research efforts will be directed towards the fundamental studies of metamaterials and plasmonics, carbon-based nanostructures and correlated materials, with resulting applications in ultrafast nano-phonic devices (see for example <i>Nano Lett.</i> 9, 3565 (2009), <i>Phys. Rev. Lett.</i> 98, 217401 (2007), <i>Phys. Rev. Lett.</i> 97, 057401 (2006)). The internship will result in experience in one or more of the following experimental areas: ultrafast nonlinear optics (pump-probe, THz time domain spectroscopy, four-wave mixing) and/or electron optics (PEEM, ARPES, LEEM, EELS). Knowledge of one or more areas of metamaterials, plasmonics, carbon based materials (graphene, CNT) and correlated materials is a plus.</p> <p>Application Instructions: Please direct further enquiries about the position to recruiting-dani@oist.jp with 'FIP Internship' in the subject line. Financial support (travel, housing, etc.) is possible.</p> <p>About OIST: The Okinawa Institute of Science and Technology was established in September 2005 to conduct top notch interdisciplinary research in science & technology. OIST is committed to being international with representation from over 29 countries including France, Germany, US, India, New Zealand, Australia, China; and seeks to become a global hub of innovative interdisciplinary science & technology. OIST is an equal opportunity, affirmative action employer and encourages applications from women. For more information, visit http://www.oist.jp or see an introductory movie about the institute at http://www.youtube.com/user/oistedu#p/a/u/0/dp3HDq6b8ag.</p> <p>About Okinawa: Okinawa is a sub-tropical chain of islands located south of mainland Japan, within a three hour flight of Tokyo, Shanghai, Seoul, Taipei. It offers excellent recreational activities like water skiing, sea kayaking, scuba diving; beautiful coral reefs with one fourth of the worlds coral diversity; opportunities to experience the vitality and history of the ancient Ryukyu culture ; as well as the energy of a modern, thriving city in downtown Naha. For more information see http://www.okinawastory.jp/en/ .</p>
Toutes les rubriques ci-dessous doivent obligatoirement être remplies

Ce stage pourra-t-il se prolonger en thèse ? Possibility of a PhD ? : OUI			
Si oui, financement de thèse envisagé/ financial support for the PhD: bourse gouv. Japon			
Lasers et matière	x	Lumière, Matière : Mesures Extrêmes	x
Optique de la science à la technologie	x	Plasmas : de l'espace au laboratoire	

Fiche à transmettre (fichier pdf **obligatoirement**) sur le site <http://stages.master-omp.fr>