Nom Laboratoire : Femtosecond Spectroscopy Unit, Okinawa Institute of Science and Tech.
Code d'identification CNRS :
Nom du ou des responsables du stage ou thèse : Keshav M. Dani
e-mail : KMDani@oist.jp          téléphone :
page web : http://www.oist.jp/en/research/research-units/unit-fs.html
Lieu du stage : Okinawa, Japan

Stage uniquement : NON          Thèse uniquement : NON
Stage pouvant déboucher sur une thèse : OUI
Financement proposé : OUI          si oui, type de financement : OIST

Ultrafast Spectroscopy of Advanced Materials

Position Description: The Femtosecond Spectroscopy Unit at the new Okinawa Institute of Science and Technology invites M2 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 fundamental studies of metamaterials and plasmonics, carbon-based nanostructures and correlated materials, with resulting applications in ultrafast nano-photonic devices (see for example Nano Lett. 9, 3565 (2009), Phys. Rev. Lett. 98, 217401 (2007), Phys. Rev. Lett. 97, 057401 (2006)).
The internship will provide 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) is a plus. For further project details please visit: http://www.oist.jp/en/research/research-units/unit-fs.html

Application Instructions: Please direct further enquiries about the position to recruiting-dani@oist.jp with ‘M2 Internship’ in the subject line. Financial support (travel, housing, etc.) is possible.

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 about the institute, visit http://www.oist.jp or see an introductory movie at: http://www.youtube.com/user/oistedu#p/a/u/0/dp3HDq6b8ag.

About Okinawa: Okinawa is a sub-tropical chain of islands located south of mainland Japan, within a three hour flight south 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/