ICFO Welcomes New Members

Four postdoctoral researchers, one visiting scientist, two visiting PhD students, two PhD students and one new member of the KTT unit have joined ICFO.

July 15, 2008

Four postdoctoral researchers, Dr. Remigiusz Augusiak, Dr. Philip Bates, Dr. Arnaud Gardelein and Dr. Daniele Faccio; one visiting scientist, Riccardo Sapienza; two visiting PhD students, Mr. Daniel Tasca and Mr. Michal Micuda; two PhD students, Mr. Ghosh Dhriti Sundar and Ms. Can Yao; and one new member of the KTT unit, Ms. Laura Roldan, have joined ICFO.

Dr. Remigiusz Augusiak is joining Prof. Maciek Lewenstein's group as an EU SCALA project postdoc. He will be working on various aspects of quantum information theory (entanglement, distillability, local information processing, many body correlations, etc.)

Dr. Philip K. Bates, from Imperial College London, joins Prof. Jens Biegert?s group. He is an expert in few-cycle pulse generation and parametric interactions. He will strengthen the experimental efforts of the AUO group in OPCPA and its applications in strong field physics.

Dr. Arnaud Gardelein joins Prof. Valerio Pruneri?s group. He comes with a PhD degree from the University of Nantes, funded by Thales Airborne Systems, after a postdoc experience at the University of Savoy, France. He will work on the development of a Quantum Transceiver for the European Space Agency (ESA). This project is shared by the groups led by Prof. Pruneri, Prof. Mitchell and Prof. Perez.

Dr. Daniele Faccio, from Universita' dell'Insubria, joins Prof. Jens Biegert?s group. He is an expert in the physics of nonlinear propagation and conical pulses. He will work on applications of conical waves in HHG.

Dr. Riccardo Sapienza joins Romain Quidant?a group as a visiting scientist. He will join the plasmon nano-optics group to work on plasmon-assisted optical manipulation.

Mr. Daniel Tasca is a PhD student at the University of Rio de Janeiro (Brazil), where he works in the area of quantum optics. He is joining J. P. Torres? group for a six month period, and will be involved in an experiment aimed at measuring the amount of entanglement in space between pairs of photons. This measurement requires the detection of four photons at the same time. This would be the first time that this type of experiment is performed at ICFO.

Mr. Michal Micuda is a visiting PhD Student from Olomouc (Czech Republic), who is joining Juan P. Torres? group in order to participate in an experiment whose goal it is to generate two photons with the shortest possible separation, just a few femtoseconds (one thousandth of a millionth of a millionth of a second). He has already taken part in previous experiments in

this area.

Mr. Dhriti Sundar Ghosh joins Valerio Pruneri?s group. He received a Master?s degree from the Indian Institute of Technology. During his PhD at ICFO he will work on the development of ultrathin metal and dielectrics for optoelectronic devices, such as integrated electro-optic modulators, micro-structured fiber-optic sensors, OLEDs and photovoltaic cells. His first task includes the deposition and use of ultrathin metal film transparent conductive electrodes.

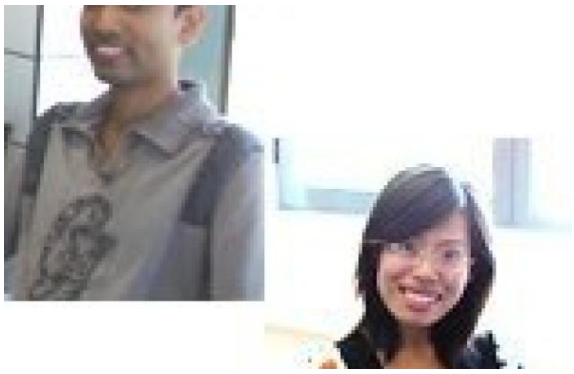
Ms. Can Yao is a new PhD student in Prof. Jordi Martorell's group. She obtained an MSc degree from the Institute of Mechanics of the Chinese Academy of Science. While at ICFO, she will work in the study of the generation of light in random structures.

Ms. Laura Roldan joins the ICFO Knowledge and Technology Transfer Unit. Roldan will strengthen the KTT team by performing a wide variety of administrative duties as required by daily operations in the KTT office and providing assistance in the planning and implementation of the events and activities organized by the KTT unit with other institutions and companies.

Dr. Arnaud Gardelein and Dr. Daniele Faccio

Dr. Riccardo Sapienza

Mr. Daniel Tasca and Mr. Michal Micuda



Mr. Ghosh Dhriti Sundar and Ms. Can Yao

Ms. Laura Roldan