



## Profile 14

### PROFILE DESCRIPTION

#### HOST ORGANIZATION

<b>Inviting Professor</b> (name, e-mail, telephone number)	Elisa Molinari <a href="mailto:elisa.molinari@unimore.it">elisa.molinari@unimore.it</a> 0592055628 Stefano Ossicini <a href="mailto:stefano.ossicini@unimore.it">stefano.ossicini@unimore.it</a> 3204322382
<b>Inviting Professor Teaching Activity</b>	“Physics of Semiconductor” “Good Practices and Research Integrity in Sciences”
<b>Department</b>	

#### VISITING PROFESSOR PROFILE REQUIRED

<b>Scientific Domain</b> (i.e. Agricultural science, Biological science, chemistry, economics, engineering, juridical science, medical science, etc.)	Physical Science, in particular structural, electronic and optical properties of low-dimensional semiconductors.
<b>Teaching activity</b> to be carry out in the host organization (teaching module and seminars- at least 30 hours)	Teaching Module In “Physics of Semiconductors” 18 hours Course in PhD Physical and Nanosciences 12 hours
<b>Master’s Degree Course and PhD course</b> where the teaching activity will be carried out	Master Degree Course “Physics of Semiconductors” PhD Course “Advanced nanostructures for photonic, photovoltaic and thermoelectric applications”
<b>Relevant skills and competences of the visiting professor</b>	Expertise in Semiconductor Physics, in particular at the nanoscale. Specific competence in computational modeling devoted to problems and issues in materials science, using <i>ab initio</i> quantum mechanical theory and codes.
<b>Proposed length of stay</b>	<b>a.a. 2016/2017</b>  II semester  3 full months