

### Program for Prime Minister Latin American Scholarships

Name of Institution	Universidad de Antioquia
Type of institution	Public University
Location (city and country)	Medellín / Colombia
Name of the course/program	Research internship in <u>Physics of Semiconductors for Water Splitting, CO<sub>2</sub> reduction and energy applications</u>
Objective of the program	To study the electronic and optical properties of semiconductors with potential application in the energy sector
Content (courses list)	Solid State Physics. Density Functional Theory. Electronic Structure.
Course start and end dates	(To be undertaken within this period) 23/January / 2017 to 23/January/2019
Course costs (enrolment, tuition, materials, etc)	No tuition/enrolment costs involved.
Course delivery language (if not English, then level of Spanish or Portuguese required)	The internship will be conducted in English. A basic Spanish level is desired but not mandatory.
Entry requirements	- Graduate students only. - Bachelor in Physics, Chemistry or Engineering.
Accommodation options and costs	Accommodation should be arranged by the applicant. Universidad de Antioquia can provide advice on areas and costs. Students will also be assigned a volunteer "Buddy-student" to help him/her get installed.
Website	<a href="http://fisica.udea.edu.co/~ges/">http://fisica.udea.edu.co/~ges/</a> <a href="http://www.researcherid.com/rid/B-7587-2008">http://www.researcherid.com/rid/B-7587-2008</a>
Contact person and email for further information and/or enrolment	<p><b>Research group contact point:</b>  Name: Jorge Mario Osorio Guillén  Email: mario.osorio@udea.edu.co  Phone number: +57(4)2195630 / +573045460152  Position: Associate Professor/Senior Researcher</p> <p><b>University contact point:</b>  Santiago López Álvarez  <a href="mailto:investigacioninter@udea.edu.co">investigacioninter@udea.edu.co</a>  574-2198212  Scientific Cooperation Advisor</p>