Pavlos Savvidis

Dept. of Materials Science & Technology / FORTH
University of Crete
71110 Heraklion
Crete, Greece
Tel: +30 (2810) 394115
E-mail: psav@materials.uoc.gr

Positions

Assist. Prof. Dept of Material Science & Technology, 8/04-present
University of Crete, Greece
Affiliated with Inst. of Electronic Structure & Laser - FORTH

Marie Currie Senior Researcher 04/11-06/11 03/12-05/12
Physics Department, University of Southampton, UK

Visiting Professor 06/08-10/08
Cavendish Labs, Cambridge University, UK

Postdoctoral Research Fellow, 03/04-06/04
University of Southampton, Southampton, UK

Postdoctoral Research Fellow 01/02-11/03
University of California, Santa Barbara, USA

Education

Ph.D. in Physics, University of Southampton, Southampton, UK 10/98-09/01
Polariton Dynamics in Semiconductor Microcavities

B.S. in Physics, University of Athens, Athens, Greece 9/94 - 6/98

Honors-Awards

1. Postdoctoral Fellowship from DARPA, Phys. Dept., UC Santa Barbara, USA 01/02-11/03
2. Best Postgraduate Poster Award, Physics Department, Univ. of Southampton, UK 2000
3. Full academic scholarship for graduate studies, Univ. of Southampton, UK 1998-2001
4. Scholarship of excellence (National Scholarship Foundation), Athens, Greece 1996
5. First prize in Armenian National Olympiad in Physics 1991

Teaching and Tutoring

Since my arrival to Crete I have been tutoring:

- 6 Master students, 7 PhD students
- 5 postdocs

At present I am teaching the following classes:

- Semiconductor Physics
- Computer control & Automation Lab

Publicity

1. Perspective, "Intertwining Electron Tunneling with Light" *Science* **336**, 679 (2012)
2. News and Views, "Bosonic condensates: Polariton pendulum", *Nature Physics* **8**,183 (2012).
3. News and Views, "Polariton spin transport", David Pile, *Nature Photonics* **6**, 637 (2012)
4. News and Views, "Solid-state physics: Polaritronics in view", *Nature* **453**, 297 (2008).
5. New Scientist, "Quantum lasers: Half light, half matter", April (2009)
6. Semiconductor Today, "Light-enhanced wet etch eats into GaN", May (2009)
7. Photonics Spectra, "Polarition LEDs Deliver Quantum Efficiency", July (2008)
8. Physics World, "'Polaritonics' forges ahead" , May 19 (2008)
9. Laser Focus World, "Polariton LED is electrically pumped", July (2008)
10. Chemical & Engineering News, "Exotic Lighting", Vol. **86**, May (2008)
11. News and Views article, "Half-Matter, half-light amplifier", *Nature* **405**, 629 (2000).
12. "Amplifier from Half-Breed Particles", *Phys. Rev. Focus* 5, *story 6*, 10 February (2000), available online at http://focus.aps.org/v5/st6.html
13. "Mongrel Particles Act like Bosons", *Photonics Spectra* May p. 24 (2000). "Thin films trap hybrid particles", Vacuum Solutions March/April p. 5 (2000).

Research Grants

FP7- ERC starting Grant, "POLAFLOW", Collaborating partner (2012-2017) **126k €**
Greek Ministry of Education, ARISTEIA, APPOLO, Principal investigator, (2012–2015) **316k €**
FP7-PEOPLE-2011-IRSES, Polaritonic TeraHertz Devices, POLATER (2011-2014) **70k €**
FP7- Initial Training Network, "INDEX", Principal investigator (2011-2015) **350k €**
FP7- Initial Training Network, "ICARUS", Principal investigator (2009-2013) **410k €**
FP7- Initial Training Network, "CLERMONT4", Principal investigator (2009-2013) **350k €**
Greek Ministry of Education, Thalis, Principal investigator, partner (20012–2015) **120k €**
Greek Ministry of Education, Herakleitos II, Principal investigator (20011–2014) **45k €**
Greek Ministry of Education, Pythagoras II, Principal investigator (2004–2007) **80k €**
Greek Research Council, PENED 03, Principal investigator (2004–2007) **80k €**

Reviewing

Journals:	Nature, Nature Phys., Nature Comm., Modern Rev. Phys. Phys. Rev. Lett., Appl. Phys. Lett., Physical Review B
Grants:	FP7 People: ERC Advanced Investigator Grants, ITN, IEF, IIF, IOF National: Greek-Slovak international cooperation grants