

Jacek Majewski

“Graphene - Chemistry and Physics of Epitaxial Growth”



JAM during the 31st ICPS conference in Zurich,
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Jacek A. Majewski

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Professional Career:

- Since October 2004 professor of physics, at the Faculty of Physics, University of Warsaw, Poland
- Mai 1990 – Oct 2004, professor at the Technical University Munich, Walter Schottky Institute, Munich, Germany
- 1981 – PhD in theoretical physics, Institute of Physics, Polish Academy of Sciences, Warsaw, Poland

Group at the UW: 3 postdocs and 8 PhD students

Scientific Interests: multi-scale modeling of nanostructures and materials

- ✓ Growth of nitrides and graphene on silicon carbide
- ✓ Covalent functionalization of carbon nanotubes and graphene
- ✓ Magnetic anisotropy and clustering in diluted magnetic semiconductors
- ✓ Electronic structure of Heusler alloys
- ✓ Development of new computational tools – dynamical mean field theory plus density functional theory in real space implementation

Running projects: six international and Polish projects

- ✓ 7FP Marie Curie “SemiSpinNet”
- ✓ 7FP ESR Ideas “FunDMS”
- ✓ Innovative Economy Project (POIG) “SiCMAT”
- ✓ Project TEAM
- ✓ Educational Project POKL
- ✓ Participation in the project of National Research Centre on Heusler alloys