

Participation in conferences:

1. **"Single Dot Spectroscopy in High Magnetic Fields"** oral presentation given in the Grenoble High Magnetic Field Laboratory - users meeting on 30th June 2007; by A. Babinski;
2. **"Localization of excitons in the InAs/GaAs wetting layer"** oral presentation given on the Second Polish-French Workshop on High Magnetic Fields in Semiconductor Physics on 27th October 2007, Wroclaw, Poland, by A. Babinski;
3. **"Three-dimensional localization of excitons in the InAs/GaAs wetting layer-a new class of quantum dots"** poster on the 5th Conference "Quantum Dots 2008" Gyeongju, Korea by A. Babinski;
4. **"Charged and neutral excitons in natural quantum dots in the InAs/GaAs Wetting Layer"** poster on on "13 Modulated Semiconductor Structures Conference, July 15-20 2007, Genova, Italy by A. Babinski
5. **"Inter-Dot Coupling in a Self-Assembled CdTe/ZnTe System"** on the 13th International Conference on II-VI Compounds, Sept. 10-14, 2007, Jeju, Korea" by P. Kossacki
6. Participation of E. Valcheva in XXXVI International School of Semiconducting Compounds, Jaszowiec 2007, 9-15 June 2007
7. Participation of A. Sachrajda and P. Kossacki in the 2nd Polish-French Workshop on High Magnetic Fields in Semiconductor Physics, Wroclaw 26-27 October 2007

Seminar presentations:

1. Tutorial **"Lateral nanostructures: from Quantum Point Contacts to Triple Quantum Dots"** by dr A. Sachrajda on 15/10/2007 and 29/10/2007 at the host;
2. **"The few electron triple quantum dot system - electron transport experiments"** by dr A. Sachrajda on 12/10/2007 at the host;
3. **"Localization of excitons in a wetting layer - novel kind of quantum dots"** (in Polish) by dr A. Babinski 4/1/2008;
4. **"Natural dots in the InAs/GaAs wetting layer"** by dr A. Babinski 12/2/2008 at Electronic Materials Engineering Dept., RSPHYSSE, Australian National University, Canberra, Australia;
5. **"Exciton complexes in the InAs/GaAs quantum dots"** by dr A. Babinski 8/4/2008 (in Polish) at the host;
6. **"Physics of Triple Quantum Dots"** presented on 23/10/2007 dr by A. Sachrajda at the University of Regensburg, Germany;

Publications in international journals:

- (1) A. Babinski, M. Potemski, S. Raymond and Z. Wasilewski, **"Charged and neutral excitons in natural quantum dots in the InAs/GaAs wetting layer"**, Physica E, 40, 2078 (2008);

- (2) M. Sakowicz, J. Lusakowski, K. Karpierz, M. Grynberg, W. Knap, K. Köhler, G. Valušis, K. Golaszewska, E. Kaminska, and A. Piotrowska, „**Terahertz detection by two dimensional plasma field effect transistors in quantizing magnetic fields**”, Appl. Phys. Lett. 92, 203509 (2008);
- (3) A. Babinski, J. Borysiuk, S. Kret, M. Czyz, A. Golnik, S. Raymond, and Z. R. Wasilewski, "**Natural quantum dots in the InAs/GaAs wetting layer**", Appl. Phys. Lett. 92, 171104 (2008) (the work selected for Virtual Journal of Nanoscience and Technology);
- (4) M. Sakowicz, J. Lusakowski, K. Karpierz, and M. Grynberg, W. Knap, W. Gwarek, „**Polarization Sensitive Detection of 100 GHz Radiation by High Mobility Field-Effect Transistors**" accepted for publication in J. Appl. Phys.
- (5) R. Tauk, J. Lusakowski, W. Knap, A. Tiberj, Z. Bougrioua, M. Azize, P. Lorenzini, M. Sakowicz, K. Karpierz, C. Fenouillet-Beranger, M. Cassé, C. Gallon, F. Boeuf, T. Skotnicki, „**Low electron mobility of field-effect transistor determined by modulated magnetoresistance**" J. Appl. Phys. 102, 103701 (2007);
- (6) J. Suffczynski, K. Kowalik, T. Kazimierczuk, A. Trajnerowicz, M. Goryca, P. Kossacki, A. Golnik, M. Nawrocki, J. A. Gaj, and G. Karczewski, " **Single-spin optical read-out in CdTe/ZnTe quantum dot studied by photon correlation spectroscopy**" , Phys. Rev. B 77, 245306 (2008) (the work selected for Virtual Journal of Nanoscience and Technology)
- (7) M. Kaminska, A. Twardowski, D. Wasik, "**Mn and other magnetic impurities in GaN and other III-V semiconductors - perspective for spintronic applications**", J Mater Sci: Mater Electron (2008)19:828-834