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Education and scientific activity:

1998-2003 student at University of Warsaw, Faculty of Physics, degree: Master of Science
2003-2007 PhD study at University of Warsaw and Universite Joseph Fourier (these en cotutelle)
Subject is the magneto-optical spectroscopy of wide gap diluted semiconductors based on ZnO and GaN with ions of Co, Mn, and Fe. (publications in PRB, PRL, book).
2007 Doctor degrees at University of Warsaw and Joseph Fourier University.
2008-2009 post-doc in group of Prof. Detelf Hommel, at University of Bremen. Scholarships of DAAD, Humboldt Foundation, and Marie Curie program, 20 months in Germany. (Publication in APL, patent application)
2009- Assistant Professor at University of Warsaw
2010- Responsible for new MBE lab (growth chamber for II-VI compounds)
2011-2014 Head of research project "Microcavities for yellow optoelectronics" granted by NCBiR.

Invited talks at international scientific meetings:

- "Giant Zeeman effect in (Zn,Co)O and (Ga,Mn)N", XXXV International School of Semiconducting Compounds, Jaszowiec, June 2006.
- "Determination of effective sp-d exchange integrals in wide-gap DMS", American Physical Society March Meeting, Denver, March 2007.
- "New concepts for ZnTe-based microcavities" E-MRS Fall Meeting, Warsaw 2009.
- „Light emission from QD in photonic structure" Polish Nanotechnology Conference 2010.

Patent application

„Bragg mirror with superlattice for compensation of lattice mismatch:, C. Kruse, W Pacuski, D. Hommel, patent claim at European Patent Office (EP 2211431 A1)

Major publications:

1. "Influence of s,p-d and s-p exchange couplings on exciton splitting in (Zn,Mn)O", W. Pacuski, J. Suffczynski, P. Osewski, P. Kossacki, A. Golnik, J. A. Gaj, C. Deparis, C. Morhain, E. Chikoidze, Y. Dumont, D. Ferrand, J. Cibert, T. Dietl, Phys. Rev. B 84, 035214 (2011);
2. "Monolithic ZnTe-based pillar microcavities containing CdTe quantum dots", C. Kruse, W. Pacuski, T. Jakubczyk, J. Kobak, J. A. Gaj, K. Frank, M. Schowalter, A. Rosenauer, M. Florian, F. Jahnke, and D. Hommel, Nanotechnology 22, 285204 (2011).
3. W. Pacuski, "Optical Spectroscopy of Wide-Gap Diluted Magnetic Semiconductors", chapter in "Introduction to the Physics of Diluted Magnetic Semiconductors" edited by Jan A. Gaj and Jacek Kossut, Springer Series in Materials Science Vol. 144, p. 37-63 (2010).
4. "High-reflectivity broadband distributed Bragg reflector lattice matched to ZnTe", W. Pacuski C. Kruse, S. Figge, and D. Hommel, Applied Physics Letters 94, 191108 (2009).
5. "Magnetization Dynamics Down to a Zero Field in Dilute (Cd,Mn)Te Quantum Wells", M. Goryca, D. Ferrand, P. Kossacki, M. Nawrocki, W. Pacuski, W. Maślana, J. A. Gaj, S. Tatarenko, J. Cibert, T. Wojtowicz, and G. Karczewski, Physical Review Letters. 102, 046408 (2009).
7. „Observation of strong-coupling effects in a diluted magnetic semiconductor $Ga_{1-x}Fe_xN$ " W. Pacuski, P. Kossacki, D. Ferrand, A. Golnik, J. Cibert, M. Wegscheider, A. Navarro-Quezada, A. Bonanni, M. Kiecana, M. Sawicki, and T. Dietl, Physical Review Letters 100, 037204 (2008).
8. "Excitonic giant Zeeman effect in $GaN:Mn^{3+}$ ", W. Pacuski, D. Ferrand, J. Cibert, J. A. Gaj, A. Golnik, P. Kossacki, S. Marcet, E. Sarigiannidou, and H. Mariette, Physical Review B 76, 165304 (2007).
9. "Effect of the s,p-d exchange interaction on the excitons in (Zn,Co)O epilayers", W. Pacuski, D. Ferrand, J. Cibert, C. Deparis, J. A. Gaj, P. Kossacki, and C. Morhain; Physical Review B 73, 035214 (2006).