

Salvan, Georgeta



General information

Name Georgeta Salvan
Academic title Prof. Dr.
Date of Birth 22 December 1975
Gender Female
ORCID number 0000-0002-2565-9675
Current Affiliation Technische Universität Chemnitz
Institut für Physik, Halbleiterphysik
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Current Position wissenschaftliche Mitarbeiterin, außerplanmäßige Professorin

Academic qualification

PhD Physics, 1999-2003, Technische Universität Chemnitz
Supervisor: Prof. Dr. D.R.T. Zahn
Master of Science Physics, 1998-1999, Babes-Bolyai University, Cluj-Napoca
Supervisor: Prof. Dr. I. Ardelean and Prof. Dr. D.R.T. Zahn (TUC)
Diploma Physics, 1994-1998, Babes-Bolyai University, Cluj-Napoca
Supervisor: Prof. Dr. I. Ardelean

Employment record

2010 – Permanent scientific staff at the Technische Universität Chemnitz
2009 apl. Professor at the Technische Universität Chemnitz
2003 – 2010 Leader of a *Nachwuchsforscherguppe* (from 26.03.2007 Junior-Professorin) in the field of Organic Semiconductors at the Technische Universität Chemnitz
2003 Post-doctoral research assistant at the Department of Physics, University of Wales Aberystwyth, UK
1999 – 2003 PhD student, Technische Universität Chemnitz, Germany
2006 & 2008 Maternity leaves due to the birth of two sons (9 months in total)

Service to science

- Vice speaker of the DFG Research Unit DFG-1154 “Towards Molecular Spintronics” (2010-2017)
- Co-Organizer of three Symposia on the DPG Spring Meetings (2008, 2010, 2011)
- Organizer of the Summer School NANOMA-II 2008, Cluj-Napoca, Romania
- Frequent reviewer of grant proposals (DFG, AvH, ANR, RO-UEFISCDI, PL-NSC)
- Guest editor of “Thematic Issue Towards Molecular Spintronics” of Beilstein Journal of Technology (2017) and of the Special Issue “Surfaces, Interfaces, and Nanostructures: Spectroscopic characterization and applications” of *physica status solidi b* (2019)

Awards

2004: Young Scientist Award in the field of Natural Sciences awarded by the Dresdner Gesprächskreis der Wirtschaft und Wissenschaft
2003: University Prize for the PhD Thesis at the Technische Universität Chemnitz
1998 - 1999: European Physical Society grant for performing the experimental part of the Master studies at the University of Technology Chemnitz.
1998: Competence grant awarded by the Babes-Bolyai University for excellent research activities

Most relevant publications

Sharma A, Matthes P, Soldatov I, Arekapudi SSPK, Böhm B, Lindner M, Selyshchev O, Ha NTN, Mehring M, Tegenkamp C, Schulz S, Zahn DRT, Paltiel Y, Hellwig O, **Salvan G**

“Control of magneto-optical properties of co-layers by adsorption of α -helical polyaniline self-assembled monolayers”

Journal of Materials Chemistry C 8, 11822-11829 (2020).

Sharma A, Hoffmann M, Matthes P, Hellwig O, Kowol C, Schulz SE, Zahn DRT, **Salvan G**,
“Crystallization of optically thick films of $\text{Co}_x\text{Fe}_{80-x}\text{B}_{20}$: Evolution of optical, magneto-optical, and structural properties”

Physical Review B 101, 054438 (2020).

Banerjee S, Bülz D, Solonenko D, Reuter D, Deibel C, Hiller K, Zahn D, **Salvan G**

“HED-TIE: A wafer scale approach for fabricating hybrid electronic devices with trench isolated electrodes”

IOP Nanotechnology 28, 195303 (2017).

Richter P, Plassmeyer PN, Harzdorf J, Ruffer T, Lang H, Kalbacova J, Jöhrmann N, Schulze S, Hietschold M, Arekapudi SSPK, Albrecht M, Zahn DRT, Page CJ, **Salvan G**

“High quality magnetic oxide thin films prepared via aqueous solution processing”

Chemistry of Materials 28, 4917-4927 (2016).

Robaschik P, Fronk M, Toader M, Klyatskaya S, Ganss F, Siles PF, Schmidt OG, Albrecht M, Hietschold M, Ruben M, Zahn DRT, **Salvan G**

“Tuning the magneto-optical response of TbPc_2 single molecule magnets by the choice of the substrate”

Journal of Materials Chemistry C 3, 8039-8049 (2015).

Birnbaum T, Hahn T, Martin C, Kortus J, Fronk M, Lungwitz F, Zahn DRT, **Salvan G**

“Optical and magneto-optical properties of metal phthalocyanine and metal porphyrin thin films”

Journal of Physics Condensed Matter 26, 104201 (2014).

Fronk M, Bräuer B, Kortus J, Schmidt OG, Zahn DRT, **Salvan G**

“Determination of the Voigt constant of phthalocyanines by magneto-optical Kerr-effect spectroscopy”

Physical Review B 79, 235305 (2009).

Zahn DRT, Gavrilina GN, **Salvan G**

“Electronic and vibrational spectroscopies applied to organic/inorganic interfaces”

Chem. Rev. 107, 1161-1232 (2007).

Bräuer B, Zahn DRT, Ruffer T, **Salvan G**

“Deposition of thin films of a transition metal complex by spin coating”

Chem. Phys. Lett. 432, 226-229 (2006).

Ardelean I, **Salvan G**, Peteanu M, Simon V, Himcinschi C, Ciorcas F

“EPR and magnetic susceptibility studies of B_2O_3 - SrO - Fe_2O_3 glasses”

Modern Phys. Lett. B 13, 801-808 (1999).