

## PERSONAL INFORMATION

## Marius Andrei OLARIU



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💬 Skypemaolariu

Date of birth 06/05/1979 | Nationality Romanian

## POSITION

Full Professor – Technical University of Iasi, Faculty of Electrical Engineering

## WORK EXPERIENCE

2007–Present

**Full Professor/Project manager**

Technical University of Iasi, Iasi (Romania)

**a. Research and development (R&D) activity;**

Duties: scientific work (scientific reports, scientific papers for conferences and workshops, presentations for scientific events), project's progress evaluation, reporting activity, product development;

**b. Project Management** within national and international funded R&D and educational projects (proposals writing, activities and budgets dimensioning, progress evaluation, tracking results, leading surveys at level of regional innovative SMEs for finding solutions for technical academic curricula development (meetings with representatives of regional SMEs for questionnaires development, leading interviewing activity, reports drafting based on interviewers responses, needs and expectations), liaison with local/regional authorities and business actors for concluding agreements for students practical internships quality improvement (in partnership with Association – Patronage of Iasi County SMEs), press conferences organization, kick-off, interim and final meetings organization, international workshops and conferences organization (scientific meetings), public procurements supervising).

2013–Present

**General Manager / Head of Consultancy Dept.**

SC ProSupport Consulting SRL

**Coordinating the operational activity of the SME.****a. Consultancy:**

- leader of consultancy activity of the company;
- concluding contracts with tenders;
- research activity at market level and public institution level;
- drafting reports and reporting technically the activity for the main subcontractors

**b. Project Management** – supervisor of R&D project MYSMIS 109591 aiming to introduce into fabrication screen printed platforms with printed microelectrodes for sensing applications.

2012–Present

**Expert Evaluator**

European Commission, European Agency for Competitiveness and Innovation (EACI), Intelligent Energy Europe, Brussels (Belgium) – 12 proposals

**Additional information on this position can be disclosed only after obtaining the permission of EACI.**

2012–2013

**Project Manager**

Technical University of Iasi, Iasi (Romania)

**Project title** – Development of implantable bio-sensors for neurotransmitters evaluation, based on electrochemically coated conjugated polymer composites on carbon nano-porous structures (Bilateral project Romania-Greece)

Project management, twinning activity, supervising technical and scientific reporting activity.

2014–Present **Project Manager**

Technical University of Iasi, Iasi (Romania)

**Project title:** Wireless network of hydrogen passive flex-on-chip sensors based on onion-like carbon (OLC) manipulated via Dielectrophoresis – project aiming to increase the safety of hydrogen production and consumption both at the level of on- and off-board installations;

Within this project I ensured the daily operational management of project activities, controlling results, evaluating project's overall progress, evaluating risks, supervising reporting activity.

2011–2013 **Project writer/Project expert**

Technical University of Iasi, Iasi (Romania)

**Project title** – Hands-on Traineeship – steps for a successful career (ESF funded)

Within this project I conducted a survey on regional SMEs needs in regards to technical and non-technical competencies undergraduates and graduates for smoothening the insertion of youth to labour market.

In charge with: questionnaires based interviewing of SMEs' representatives, interpretation and assessment of interviewers responses, report drafting, organization of three dissemination seminars for students enrolled in the last years of study.

2009–2010 **Trainee**

European Commission, DG INFSO (As of 1st of July 2012 DG CONNECT), Brussels (Belgium)

During my in-service training, together with my stage advisor (Mr. Wim Jansen), we succeeded to develop a draft policy theme Research Infrastructures for ICT Research. Besides, for a period of 6 weeks I was involved in the evaluation stage of the 7<sup>th</sup> Call under FP7 Capacities-Research Infrastructures Programme, accomplishing administrative and logistical tasks.

## EDUCATION AND TRAINING

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1999–2004 **Bachelor of Engineering**

Technical University of Iasi, Iasi (Romania)

Electrical Engineering – Electrical measurements and materials for electrical engineering

2004–2005 **Master in Science, ICT tools in Electrical Engineering**

Technical University of Iasi, Iasi (Romania)

Space charge analysis in polymeric nanocomposites

2002–Present **Bachelor of Economics – Finance and banks (Final exam not sustained yet)**

Petre Andrei University, Iasi (Romania)

2004–2004 **Ph.D. Thesis – Electrical Engineering**

Technical University of Iasi, Iasi (Romania)

Thesis title: Contributions regarding quality assurance of micro and nanomaterials via space charge

analysis

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B2

Communication skills

Excellent written and verbal communication skills gained through proposal development activity and scientific paper elaboration with creative or factual writing ability.

Speaking in public, to groups, or via electronic media gained during student classes, scientific presentations and public interventions.

Organisational / managerial skills

-Ability to develop administrative logistics for programme/project development and implementation, delivery of training and information dissemination on rural development;

-Projects' progress monitoring (results tracking and assessment, partners' activity monitoring, risk evaluation analysis, target group selection), logical framework matrix (LFM) drafting;

Job-related skills

**Scientific and technological:**

-characterization of eco, bio and nanomaterials with tailored dielectric properties from electrical viewpoint;

-employment of Broadband Dielectric Spectroscopy(BDS);

-polarization mechanism at the level of compositematerials (ceramics, polymers) for improving energy efficiency;

-characterization of intrinsic nanoconductivepolymers and P(AN-co-VAc) composite nanofibers containing silver nanoparticles;

-study of electrode polarization and conduction atthe level of nanocomposites;

-manipulation of nanomaterials for microsensors development via dielectrophoresis;

-fabrication of microelectrodes and microarrays via photolithography;

-improving energy efficiency of insulators basedspace charge analysis on nano and micro materials via Thermal Step Method, Thermally Stimulated Discharge Currents;

-study of effect of strong electrical and thermal constraints on dielectric properties of insulators (ceramic and polymeric).

**Administrative and managerial:**

- Hands-on experience in collecting, analyzing andadapting good practices in regards at the level of industrial actors as well asacademic institutions;

- Ability to conduct surveys at the level of industrialactors and academic institutions, collect information from targeted groups,process interviewing results, analyze and report based on respondents' answeron paper, online, mobile questionnaires;

- Very good knowledge of European Union policy inrespect to Research and Innovation within various research areas: Communicationon the Second Regulatory Review on Nanomaterials, Recommendation on thedefinition of a nanomaterial, Europe 2020 Flagship Initiative Innovation Union,e-Infrastructures) as well as of ERA instruments (H2020 programmes and financialschemes, Competitiveness and Innovation Framework Programme, Knowledge andInnovation Communities (KICs)) and future Horizon 2020 - The FrameworkProgramme for Research and Innovation;

- Projects' progress monitoring (results tracking and assessment,partners' activity monitoring, risk evaluation analysis, target groupselection), logical framework matrix (LFM) drafting;

- Experience in reporting activity for R&D projects,ESF funded projects, FP6 and FP7 projects.

- Proven expertise in collecting, analyzing andinterpreting bibliometric data (H-index, impact factor,

citation and content analysis);

- Experience in projects' and programs evaluations (involved in 7th Call under FP7 Capacities-Research Infrastructures Programme).
- Proposal writing abilities (FP7, ERA NET (MNT ERA NET, MANUNET, CROSSTEXNET), EuropeAid, structural funds);
- In-depth knowledge of public procurement legislation and demonstrated ability to monitoring and leading public procurement activity;
- Good understanding of technical domain and science in general;
- Ability to develop administrative logistics for programme/project development and implementation, delivery of training and information dissemination;

#### Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

Digital competences - Self-assessment grid

ECDL

#### ADDITIONAL INFORMATION

##### Additional Training

European Commission, DG INFOS (As of 1st of July 2012 DG CONNECT), October 2009 – March 2010, Certificate of Training – e-Infrastructures and GEANT

**Hanseo University, South Korea - October-November 2008, Lecturer (Broadband Dielectric Spectroscopy)**

Kyushu University, Fukuoka, Japan, July 2008, Research stage

Universite Paul Sabatier, Toulouse, France, May-July 2006, Research intern – Romanian Government Fellow

Universite Montpellier II, France, March-May 2005 ERASMUS student

EvalPartners (UNICEF/IOCE) – January – March 2012, National Evaluation Capacity Development for Country-led M&E Systems (online course)

American Evaluation Association 2012, eStudy - Creating Surveys to Measure Performance and Assess Needs - Michelle Kobayashi

American Evaluation Association 2012, eStudy - Monitoring and Evaluation (M&E) Planning for Programs/Projects - Scott Chaplowe

American Evaluation Association 2012, eStudy: Social Network Analysis for Beginners - Kimberly Fredericks

International Institute of Business Administration, 2012 IIBA ABC Webinar Series - The Business Analyst /Project Manager - Bob Wysocki

American Evaluation Association 2012 eStudy: Introduction to Evaluation – Tom Chapel

##### Publications (the most relevant since 2010)

1. **Marius Olariu**, Corneliu Hamciuc, Lidia Okrasa, Elena Hamciuc, Lubomir Dimitrov, Yuri Kalvachev, Electrical properties of polyimide composite films containing TiO<sub>2</sub> nanotubes, Polymer Composites,
2. Elena Hamciuc, Mircea Ignat, Corneliu Hamciuc, Iuliana Stoica, Lubomir Dimitrov, Yuri Kalvachev, **Marius Olariu**, Electromechanical properties of polyimide composites containing titanium dioxide nanotubes, 2015/8/1, Journal High Performance Polymers, Volume 27, Issue 5, Pages 590-598.
3. SUAT CETINER, SEYMA SIRIN, **MARIUS OLARIU** and A. SEZAI SARAC, Frequency and Temperature Dependence of Dielectric Behaviors for Conductive Acrylic Composites, DOI: 10.1002/adv.21523
4. Corneliu Sergiu Stan, Marcel Popa, **Marius Olariu**, Marius Sebastian Secula, Synthesis and Characterization of PSSA-Polyaniline Composite with an Enhanced Processability in Thin Films Open Chemistry. Volume 13, Issue 1, ISSN (Online) 2391-5420, DOI: 10.1515/chem-2015-0057, December

2014

5. Cetiner, S ; **Olariu, M** ; Sarac, AS, FABRICATION OF POLY(ACRYLONITRILE-CO-VINYL ACETATE)-POLY(N-METHYL PYRROLE) COMPOSITE NANOFIBERS, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, Volume: 8 Issue: 2 Pages: 677-683, Published: APR-JUN 2013

6. Caprile, A, Coisson A, Fiorillo, Kabos P, Manu OM, Olivetti A, **Olariu MA**, Pasquale M, Scarlatache VA, Microwave Behavior of Polymer Bonded Iron Oxide Nanoparticles, IEEE TRANSACTIONS ON MAGNETICS Volume: 48 Issue: 11 Pages: 3394-3397 DOI: 10.1109/TMAG.2012.2200462 Published: NOV 2012

7. SuatCetiner, **Marius Olariu**, Romeo Ciobanu, Hale Karakas, FatmaKalaoglu and A. SezaiSarac, Polypyrrole/polyacrylonitrile composite films: Dielectric, spectrophotometric and morphologic characterization, FIBERS AND POLYMERS, Volume: 11, Issue: 6, Pages: 843-850, Published: SEP 2010, ISSN: 1229-9197, DOI: 10.1007/s12221-010-0843-9

8. Suat Cetiner, Hale Karakas, Romeo Ciobanu, **Marius Olariu**, N. Ugur Kaya, Cem Unsal, Fatma Kalaoglu, A. Sezai Sarac,, Polymerization of pyrrole derivatives on polyacrylonitrile matrix, FTIR-ATR and dielectric spectroscopic characterization of composite thin films, Source: SYNTHETIC METALS, Volume: 160, Issue: 11-12, Pages: 1189-1196, Published: JUN 2010, ISSN: 0379-6779, DOI: 10.1016/j.synthmet.2010.03.007

9. Aradoaei S, Darie R, Constantinescu G, **Olariu M**, Ciobanu R., Modified lignin effectiveness as compatibilizer for PET/LDPE blends containing secondary materials, , JOURNAL OF NON-CRYSTALLINE SOLIDS, Volume: 356 Issue: 11-17 Pages: 768-771 Published: APR 1 2010, ISSN: 0022-3093, DOI: 10.1016/j.jnoncrysol.2009.11.046

10. Hamciuc, E. Hamciuc, **M. Olariu**, R. Ciobanu, Thermal and electrical behaviour of some hybrid polyimide films containing barium and titanium oxides, POLYMER INTERNATIONAL, Volume: 59, Issue: 5, Pages: 668-675, Published: MAY 2010, ISSN: 0959-8103, DOI: 10.1002/pi.2747

11. Kim, IkJin; Zhao, Wei; Chung, JeongHo; **Olariu Marius**; Trandabat, Alexandru F.; Ciobanu, Romeo-Cristian, Effect of interconnected molecular types on the packing rate of self-assembled monolayers of TMA-A zeolite nanocrystals on glass. JOURNAL OF CERAMIC PROCESSING RESEARCH, 11 (3), pp. 303-307, 2010. [Kim, IkJin; Zhao, Wei] HanseoUniv, InstProc&ApplicatInorgan Mat PAIM, Dept Mat Sci&Engrn, Seosan City 356820, Chungnam, South Korea.

12. Hamciuc E, Hamciuc C, **Olariu M**, Thermal and Electrical Behavior of Polyimide/Silica Hybrid Thin Films, POLYMER ENGINEERING AND SCIENCE, Volume: 50, Issue: 3, Pages: 520-529, Published: MAR 2010, ISSN: 0032-3888, DOI: 10.1002/pen.21562

13. C. Hamciuc, E. Hamciuc, I. Bacosca, **M. Olariu**, Thermal and electrical properties of some poly(ether-imide) thin films, MaterialePlastice, 47, 11-15, 2010, ISSN: 0025-5289

Member of R&D team or Key persons within more than 15 European and national funded projects as SENSEIVER – MSCA ITN – key person, M ERA NET, CNMP, CEEX, PN2, CNCSIS, bilateral projects (Romania – South Korea, Romania-Bulgaria, Romania-Cyprus, Romania – Greece).

**A full list of projects can be provided upon request**

Projects (as member of the Research team or Key person)

