

PERSONAL INFORMATION

AGOP MARICEL

 Iași, Florilor St., no. 2 Iași County

 0741/ 991812

 m.agop@yahoo.com

Sex M | Date of birth 05.09.1955 | Nationality romanian

POSITION

WORK EXPERIENCE

1997 – present
1994 – 1997
1990 – 1994
1980 - 1987

Professor
Associate Professor
Lecturer
Assistant

"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, 700050, Iași

Main activities and responsibilities:

Teaching activities: Physics courses (classical and quantum mechanics, electricity and magnetism, laser physics, elementary particles, quantum mechanics, chaos and nonlinearity) to students from:

- Faculty of Materials Science and Engineering
- Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering
- Faculty of Mechanical Engineering.

Seminars and laboratory work (including their preparation)

Assessment during teaching activities (lectures, seminar, lab)

Scientific research and methodical activities in the interest of education

Type and area of activity: Education - Higher Education

2011 - present

Director - Research center in nanoelectronics modeling and simulation (MODSIMNANO)

Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, 700050, Iași

Main activities and responsibilities:

Coordinating the activities of the research center

Type and area of activity: Research - Higher Education

2002 - present

Ph. D Supervisor (more than 32 graduated doctoral students)

Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, 700050, Iași

Main activities and responsibilities:

Collaboration with PhD students to elaborate research plans, according to the topics chosen

Guidance of doctoral students in order to achieve scientific research plans

Type and area of activity: Research - Higher Education

2014 - 2015

Trainer "Improvement of theoretical and practical education for teachers in the use of modern educational technologies in teaching physics and technical disciplines"

"Gheorghe Asachi" Technical University of Iași, Dimitrie Mangeron Bvd., No. 67, 700050, Iași

Main activities and responsibilities:

Setting goals and objectives of the training program, adapted to occupational standard and training program participants

Design and implementation of training/evaluation activities

Preparation of training materials and auxiliary materials

Type and area of activity: Education - Higher Education

EDUCATION AND TRAINING

1981 - 1983

Ph.D in Physics

„Al. I. Cuza” University Iași, Faculty of Physics

Competences acquired:

Analysis and synthesis capacity, based on the use of scientific methods and rigorous theoretical information resources

Individual skills and team work, planning work and time management

Ability to design and to carry out experiments and innovations

1975 - 1980

Graduate in Physics

„Al. I. Cuza” University Iași, Faculty of Physics

Competences acquired:

Analysis and synthesis capacity, based on the use of scientific methods and rigorous theoretical information resources

PERSONAL SKILLS

Mother tongue

Romanian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B1 | B2 | B1 | B1 | B2 |
| French | A1 | A1 | A1 | A1 | A1 |

Communication skills

Very good skills of interpersonal communication, experience gained from teaching

Ability to write texts for a variety of purposes; monitoring the writing process, from "draft" to "good for print"

Ability to formulate own arguments in a convincing manner and take into account other points of view expressed both verbally and in writing

Organizational/management skills

Ability to develop and implement a project

Ability to work cooperatively and flexibly within a team

Ability to respond positively to changes

Ability to adapt to unforeseen circumstances and to prioritize tasks to meet deadlines

Ability to work under pressure and to find solutions to the challenges arising

Ability to organize and coordinate working groups, the experience gained in teaching and project coordinator

Computer skills

Operating knowledge in Microsoft Office (Word)

ADDITIONAL INFORMATION

Publications (in ISI journals)

relevant to the project topic

More than 200 articles published in ISI journals, from which, relevant for the project topic, we mention:

1. **M. Agop**, I. C. Botez, *Theoretical Approach of Differentiable-Non-Differentiable Scale Transition in Nanostructures*, J. Comput. Theor. Nanosci., 12, 9, 2140-2151, 2015
2. I. C. Botez, **M. Agop**, *Order Disorder Transition in Nanostructures via Non-Differentiability*, J. Comput. Theor. Nanosci., 12, 8, 1746-1755, 2015
3. P. Vizureanu, N. Cimpoesu, V. Radu, **M. Agop**, *Investigations on Thermal Conductivity of Carbon nanotubes reinforced composites*, Exp. Heat Transfer, 28, 1, 37-57, 2015
4. I.C. Botez, L. Vrajitoriu, C. Rusu, **M. Agop**, *Interferential Behaviors in Nanostructures via Non-Differentiability*, J. Comput. Theor. Nanosci., 12, 8, 1483-1489, 2015
5. I. C. Botez, **M. Agop**, *Coherence-Type Behaviours in Nanostructures*, J. Comput. Theor. Nanosci., 12, 2, 263-269, 2015

Publications
(in ISI journals)
relevant to the project topic

6. **M. Agop**, D.G. Dimitriu, et. al, *Experimental and theoretical evidence for the chaotic dynamics of complex structures*, Phys. Scripta, 87, 4, 2013
7. **R. Stana, I.C. Botez, V.P. Păun, M. Agop**, *New Model for Heat Transfer in Nanostructures*, J. Comput. Theor. Nanosci., 9, 1, 55-66, 2012
8. I. C. Botez, **M. Agop**, et. al, *Conductive and Convective Types Behaviors at Nano-Time Scales*, J. Comput. Theor. Nanosci., 7, 11, 2271-2280, 2010
9. **M. Agop**, L. Chicos, P. Nica, *Transport phenomena in nanostructures and non-differentiable space-time*, Chaos, Soliton & Fractals, 40, 2, 803-814, 2009
10. D. Abăcioaie, M. A. Păun, N. Forna, C. Bejinariu, **M. Agop**, *A Theoretical Approach of the Electrical Conductance in Nanostructures*, Revista de chimie, 59, 8, 930-933, 2008

Books/chapter books
relevant to the project topic

1. I. Merches, **M. Agop**, *Differentiability and fractality in dynamics of physical systems*, World Scientific, 2016
2. **M. Agop**, I. C. Botez, R.S. Luciu, M. Gârțu, *Heat Transfer in Nanostructures using the Fractal Approximation of Motion in "Two phase flow, phase change and Numerical Modeling"*, Intech Publishing Croația, p. 451-485, 2011
3. P. Vizureanu, **M. Agop**, *On the Transport Phenomena in Composite Materials using the Fractal Space-Time Theory in "Advances in Composite Materials for Medicine and Nanotechnology"*, Intech Publishing Croația, p. 477-495, 2011

Award

- Doctor Honoris Causa of the University "Vasile Alecsandri" of Bacau (2013)
- Gold Medal, Brussels Eureka, for the invention "Materiaux heterojonctionneles semiconductereous obtenus seem coprecipitation sequentieleles", Sandu I., T. Balan, **Agop M.**, E. ant, Anghel I. (1994)
- "Honorable Mention" awarded by the American Society Gravity Research Foundation, Massachusetts, Essays on Gravitation (1986)

Projects

1. Computational methods of modeling and design of high-performance materials nanomagnetic, CEEX 76-5/2006 / MEC (director proiect)
2. Modeling physical and chemical processes in developing a new, greenmethods for obtaining titanium, CNCSIS 78GR/2006/ MEC (director proiect)
3. Development of new concepts, techniques and skills based methods synergistic of noninvasive assessment of advanced new materials, micro and nanostructured, CEEX-CALIST 6110/ 2005/ MEC (director proiect)
4. Discharge method and theory of fluctuations corona. Application at lower specific energy ozone generators, RELANSIN 1916P/2004/MEC (director proiect)
5. Advanced reconstruction of form and determination of physical-mechanical objects in 2D and 3D multilayer composite materials using ultrasound techniques; applications, CERES-2661P /2003 / MEC (director proiect)
6. Software package based on genetic algorithms and neural networks with applications in physics ceramic superconductors, CERES-57/2002/MEC (director proiect)

Visiting Professor

Athens University, Greece (march-april 2000, september-october 2001, october - november 2003, february 2008)
Lille University, France (May 2008, May 2009)

Citations

1158 citations; 500 citations without self-citations; average citations/item: 4,69
h-index: 18

Memberships

Romanian Society of Physics
European Physical Society
The Japan Institute of Metals
The New York Academy of Science
American Association for the Advancement of Science

Data

Signature