



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	Eden MAMUT
Address(es)	Constanta, ROMANIA
Telephone(s)	Home: + 40 341 449406 Work: + 40 241 545388 Mobile: +40 745 054403
Fax(es)	+40 241 545 388
E-mail	eden.mamut@et-is.eu
Nationality	Romanian
Date of birth	03 October 1960
Gender	male

Occupational field

University Professor, "Ovidius" University of Constanta, Romania

Senior scientific researcher I, University of Bucharest, Romania, Research Centre 3NANOSAE,

Member, Council for Sustainable Development, General Secretariat of the Romanian Government

Experience on the Management of Projects

Instruction on Management with University of Amsterdam (1990), Virginia State University (1996), Washington State University (1997), World Bank (1994 and 1998), United Nations (1998).

Management positions in the industry: Head of Engineering Design Dept. (1990), Chief Executive Officer (1997-1998), Chairman of the Board (2017 – today).

Management positions in the public sector: Director for Quality Assurance at Ovidius University (2001 – 2004), Director for Higher Education in the Ministry of Education (2000), Director of Research Institute (2014 – today).

Project Management: over 30 projects funded from national funds, FP6, FP7, and Horizon 2020 and from other int. donors.

Funder of spin-off companies: 3 SMEs in Romania

Funder of Innovative Clusters: 2 in Romania

Coordinator of the Black Sea Universities Network since 1998 (a network involving 120 Universities from 12 countries from the Black Sea Region).

Work experience

Dates

2020 - present

Occupation or position held	Senior scientific researcher I, University of Bucharest, Romania, Research Centre 3NANOSAE
Main activities and responsibilities	Participating in research projects, coordinating research activities with PhD students, organization of extracurricular activities for the Doctoral School
Dates	2014 - present
Occupation or position held	Director of the Institute for Nanotechnologies and Alternative Sources of Energy
Main activities and responsibilities	Participating in research projects, team management, project management and budget drafting.
Name and address of employer	"Ovidius" University of Constanta, 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	May 2017 - present
Occupation or position held	Chairman of the Board, District Heating Company – RADET Constanta, Romania
Main activities and responsibilities	Defining the strategy of the company, administration of the business by coordinating the senior executive management team
Name and address of employer	RADET Constanta, 14A, Badea Cartan St. Constanta, ROMANIA
Type of business or sector	District heating
Dates	May 2012 - present
Occupation or position held	Secretary General of Black Sea Universities Network
Main activities and responsibilities	Strategic planning, team coordination, project drafting and management and budget drafting
Name and address of employer	Black Sea Universities Network 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	February 2011 – February 2014
Occupation or position held	Coordinator of the UN “Academic Impact” hub on sustainability
Main activities and responsibilities	Communication, coordination of priority projects, networking
Name and address of employer	Black Sea Universities Network 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	May 2004 - present
Occupation or position held	University Professor for the courses on Engineering Thermodynamics, Management of Thermal Energy, Renewable Energy Sources
Main activities and responsibilities	Teaching students, participating in research projects, participating in the organization of extracurricular activities
Name and address of employer	"Ovidius" University of Constanta , 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	October 2002 - 2010
Occupation or position held	Deputy Director
Main activities and responsibilities	Participating in research projects, team management, project management and budget drafting.
Name and address of employer	"Ovidius" University of Constanta, Centre for Micro- and Nanotechnologies, 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	October - December 2000
Occupation or position held	Director for Higher Education
Main activities and responsibilities	Team management, project management, budget at ministerial level
Name and address of employer	Romanian Ministry of Education and Research, Str. Gen. Berthelot 28-30, Sector 1, 70738, Bucharest, Romania
Type of business or sector	Governmental

Dates	October 1999 - April 2004
Occupation or position held	Reader
Main activities and responsibilities	Teaching students, participating in research projects, participating in the organization of extracurricular activities
Name and address of employer	"Ovidius" University of Constanta, 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	September 1998 – October 2011
Occupation or position held	Director BSUN Center for Advanced Engineering Sciences
Main activities and responsibilities	Participating in research projects, team management, project management and budget drafting.
Name and address of employer	"Ovidius" University of Constanta, 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	August 1998 - 2012
Occupation or position held	Director of the International Permanent Secretariat of Black Sea Universities Network
Main activities and responsibilities	Participating in research projects, participating in organizing seminars, workshops, conferences and congresses, team coordination, project drafting and management and budget drafting
Name and address of employer	"Ovidius" University of Constanta, 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	October 1992 - April 1999
Occupation or position held	Lecturer for Engineering, Thermodynamics and Mechanical Vibrations Courses
Main activities and responsibilities	Teaching students, participating in research projects, participating in the organization of extracurricular activities
Name and address of employer	"Ovidius" University of Constanta, Faculty of Mechanical Engineering, 124 Mamaia Bd., 900527 Constanta, Romania
Type of business or sector	Education and research sector
Dates	October 1997 - July 1998
Occupation or position held	Chief Executive Officer
Main activities and responsibilities	Executive Management
Name and address of employer	Tomis SA, 36-40 Stefan cel Mare Street, Constanta, Romania
Type of business or sector	Commerce
Dates	October 1990 - April 1992
Occupation or position held	Assistant Professor – Department of Marine Engines and Equipment
Main activities and responsibilities	Teaching students, participating in research projects, participating in the organization of extracurricular activities
Name and address of employer	Maritime Institute of Constanta, 104 Mircea cel Batran Street, 900000 Constanta, Romania
Type of business or sector	Education and research sector
Dates	September 1989 - September 1990
Occupation or position held	Head of Design and Quality Control Dept.
Main activities and responsibilities	Designing activities, participating in research projects, team management
Name and address of employer	Heavy Duty Transportation Co. Constanta, Romania
Type of business or sector	Transport sector
Dates	August 1987 - September 1989
Occupation or position held	Project Manager for Air Starting Systems Project
Main activities and responsibilities	Designing activities, participating in research projects, team management
Name and address of employer	Heavy Duty Transportation Co. Constanta, Romania
Type of business or sector	Transport sector

Dates	August 1985 - September 1987
Occupation or position held	Engineer at the Repairing Plant of Heavy Duty Transportation Co. Constanta
Main activities and responsibilities	Designing activities, participating in research projects, team management
Name and address of employer	Heavy Duty Transportation Co. Constanta, Romania
Type of business or sector	Transport sector
Short term appointments	<p>Member in the ECHA Expert Group on Nanomaterials, April 2019 till present</p> <p>Chair of the Scientific Committee of Fuel Cells and Hydrogen Joint Undertaking, June 2015 – October 2017</p> <p>Member of the Technical and Scientific Committee of the Romanian Association of Water, May 2013 till present</p> <p>Member of the Scientific Committee of the International Centre of Heat & Mass Transfer, Ankara, Turkey since 2006 till present</p> <p>Member in the Scientific Committee of Fuel Cells and Hydrogen Joint Undertaking, January 1st 2013 December 31st 2014</p> <p>Visiting Professor at LEMTA – University of Nancy, 1 month 2008</p> <p>Guest Scientist at EBZ Dresden, 4 months, 2007</p> <p>...Guest Scientist at Argonne National Laboratory, Division of Energy Engineering, (1 month) 2006</p> <p>Guest Scientist at Institute of Solid State Physics, Chinese Academy of Sciences, China, (1 month) 2003</p> <p>Guest Scientist at Forschungszentrum Karlsruhe, Germany, (1 year) 2001 – 2002</p> <p>Expert, Romanian Ministry of Research & Technology in the Know How Transfer & Innovation Committee, (2 years) 1997 - 1999</p> <p>Invited Researcher for Engineering of Thermal Systems at Istanbul Technical University, for 10 months in 1995, Turkey</p> <p>Member of the Core Group on Education & Technology under the European Technology Platform on Hydrogen & Fuel Cells, 2004-2006</p> <p>Delegate of Romania to the Mirror Group of the European Technology Platform on Hydrogen & Fuel Cells, 2004-2006</p>

Education and training

Dates	1995 – 1999
Title of qualification awarded	Doctor Engineer in Mechanical Engineering
Main subjects/occupational skills covered	PhD Thesis: "Thermomechanical Dissipative Processes in Rubber Mountings"
Name and type of organisation providing education and training	University of "Lower Danube" of Galati, Romania
Level in national or international classification	
Dates	1980 – 1985
Title of qualification awarded	Diploma Engineer in Mechanical Engineering
Main subjects/occupational skills covered	Graduation Thesis: "Modelling of Gas Flow in Internal Combustion Engines"
Name and type of organisation providing education and training	"Politehnica" University of Bucharest

Personal skills and competences

Mother tongue(s)	Romanian and Crimean Tatar
Other language(s)	English, French, Turkish
Self-assessment	Understanding
European level (CEF)	Listening Reading Spoken interaction Spoken production Writing
English	C2 C2 C2 C2 C2
French	C2 C2 C2 C2 C1
Turkish	C2 C2 C2 C2 C1
Certified competences	<ul style="list-style-type: none"> • Certified trainer, 2016 • Energy Auditor, 2004 • Manager for Quality Management Systems, 2000 • United Nations Training Course Developer, 1998 • World Bank Business Partner Consultant, 1998 • Professional Business Counsellor, 1997 • Counsellor for Industrial property, 1993
The most recent research contracts in which was involved as coordinator and member of the research team:	<ul style="list-style-type: none"> • Ovidius Cyber Cloud: Development of the computational infrastructure of the Ovidius University of Constanta for numerical modelling, simulation and processing of massive data structures by the establishment of cloud data centre, Contract no: 252/29.05.2020, code MySMIS: 124984, POC • EITRM-OUC: RTDI project with support measures for the consolidation of the participation of Ovidius University of Constanta in EIT Raw Materials, Contract no 338/390014/09.02.2021, code MySmis 108048 • BS Connect: Coordination of Marine and Maritime Research & Innovation in the Black Sea, Grant agreement no 860055 • MULTISCALE - „Scientific research activities for the development of advanced materials and multiscale optimization by integrating nanostructured materials in advanced energy systems”, contract nr. 8/01.09.2016, ID P_40_279, code MySMIS 105531 • PORTIS – „PORT-Cities: Integrating Sustainability”, EU – Horizon 2020, Period 01.09.2016-31.08.2020 • STINGS - Supervision of Tailings by an Integrated Novel Approach to combine Ground-based- and Spaceborne Sensor data, EU – Horizon 2020 - EIT, Perioada: 01.04.2017 – 30.09.2020 • OpESEE - Open ESEE-Region Master for Maintenance Engineering, EU – Horizon 2020 - EIT, Perioada: 1.4.2018 - 31.3.2022 • "Development of innovative solutions embodied in products and services to increase the competitiveness of companies in the cluster associated MEDGreen +" - SMIS code 49755, financing contract no. 1CLT / 800027 / 03.06.2014 • „MSFD (Marine Strategy Framework Directive) Guiding Improvements in the Black Sea Integrated Monitoring System"- MISIS, Nr. 07.020400/2012/616044/SUB/D2 • ARGOS- BSUN Joint Master Degree Study Program on the Management of Renewable Energy Sources, Project Responsible, 2011-2013 • ECOREFITEC - Eco innovative refitting technologies and processes for shipbuilding industry promoted by European Repair Shipyards, FP7, No. 266268, Project Responsible, 2011-2013 • COMPENER – Competences for Sustainable Energy, LLP-LdV-TOI-10-IT-512, Project Responsible, 2010-2012 • FLUOTURNARE - Innovative technology and devices for processing metallic materials through plastic rotating deformation, nr. 230 / 06.10.2008, Project Responsible, 2008-2010 • SIN-R - Non-intrusive inspection system with gamma Radiation, nr. 258 / 14.10.2008, , Project Responsible, 2008-2010 • RAJA - Electrical and thermal conversion of biogas with the gas engine at Constanta Sud treatment plant, Project Responsible, 2007-2008 • RADET - Collecting and processing data in order to achieve the heat balance, Project Responsible, 2008

- MODIS - monitoring, diagnosis and repairing of complex structures from advanced materials, PNCDI II program, contract nr. 71-016/18.09.2007, Project Responsible, 2007-2010
- HYRES- DOBROGEA - research project on hydrogen energy technologies based on the renewable energy sources available in the Dobrogea region – CEEX, contract nr. 750/2006, Project Responsible, 2006-2008
- DELIGHT: Developing lightweight modules for transport systems featuring efficient production and life cycle benefits at structural and functional integrity using risk based design - FP6 project, Project Responsible, 2006-2009
- EUROMAR BRIDGES: Building bridges between EU member and candidate states in maritime research on transport within the frames of European research area - FP 6 Project, Project Responsible, 2006-2008
- PROMO H2FC – Promoting the participation in European projects in the field of hydrogen and fuel cells, CEEX, contract nr. 12/2005, Project Responsible, 2006-2007
- EUROGROVE - Promoting the integration of Romanian research teams from the field of hydrogen and fuel cells based technologies in research programmes under the aegis of European platform for hydrogen – CEEX, contract nr. 172/2006, Project Responsible, 2006-2008
- RO-LIGHT - Management system by non-invasive methods for mechanical-physic features, for fiability and weathering of composite materials, embedded technologies for monitoring in operation; applications of lingo-cellulose composites, of light structures in composite materials, of nanostructured composites, CEEX, Contract Nt. 49/2006, Project Responsible, 2005-2008
- FCTEDI - Fuel cell testing and dissemination. Coordinator: National Agency for Energy and the Environment, FP6 project, Project Responsible, 2006-2009
- FC Chain – An Interdisciplinary Program for Overcoming Technical, Social and Market Issues of Solid Oxide Fuel Cells Energy Systems, Marie Currie action project, University of Perugia, Italy, Project Responsible, 2006-2009
- ENCOMAR – Enhanced Cooperation between EU Member States and Associated Countries States in Transport Research”, SSA Project under FP6, 2005 – 2006 – responsible for OUC
- METEORA – Experimental Investigations & Optimization of Fuel Cells, Grant of the Romanian Ministry of Research, 2004-2006, Total Budget: 65,000 USD, director of the project
- NANOFLUID – Modeling and Simulation of the Thermal Properties of Nanofluids, Grant of Romanian Council for Research in Higher Education, 2004-2006, Total Budget: 20,000 USD - director of the project
- Nanofluid Synthesis by One-Step Technology, Institute of Solid State Physics, Chinese Academy of Sciences, China, 2003, Budget: 5,000 USD - director of the project
- Direct Numerical Simulation of Fluid Flows in Microchannels, Forschungszentrum Karlsruhe, Germany, 2001 – 2002: Total Budget: 30,000 USD - director of the project
- CAD/CAM/CAE & Remote Engineering, Rand Worldwide Contract 2001 – 2004, Total Budget: 15,000 USD director of the project
- Modelling Heat Exchangers for Condensing Boilers, Contract with Celsius 2000 Ltd. 2001 – 2003, Total Budget: 10,000 USD - director of the project
- Computational Fluid Dynamics for Dissipative Microflows, World Bank supported Grant, 2000 – 2003, Total Budget: 10,000 USD

Specific achievements

I. Registered patents:

- *Spiral Micro Heat Exchangers* registered in Germany under the number: 103 57 082 / 02.11.2004, Single author: Eden Mamut, Patent owner: Forschungszentrum Karlsruhe
- *Spiral Micro Fuel Cells* registered in Germany under the number 102005004048/31.07.2007. Single author: Eden Mamut, Patent owner: Forschungszentrum Karlsruhe.
- „*Inert gas generator for fre extinguishing in coal and biomass deposits*”, Eden Mamut, Iulien Horneț, Patent no: a-2015-00916, Publication date: 28.07.2017, Buletinul Oficial de Proprietate Industrială Nr. 7 / 2017, București, România
- „*Gas turbine with injectors fueled by pellets*”, Eden Mamut, Iulien Horneț, Laurențiu

Oancea, Patent no: a-2015-00917, Publication date: 28.07.2017, Buletinul Oficial de Proprietate Industrială Nr. 7 / 2017, București, România

- „Installation for drying and incineration of sludge from WWTPs”, Eden Mamut, Iulian Horneț, Timur Mamut, Ana-Maria Paizan, Adreea Ghiocel, Paul Ivan, Patent no: a-2015-00915, Publication date: 28.07.2017, Buletinul Oficial de Proprietate Industrială Nr. 7 / 2017, București, România

II. The most representative published volumes:

1. A. Bejan, E. Mamut, Thermodynamic Optimization of Complex Energy Systems, 1999, Kluwer Academic Pub. The Netherlands, ISBN 0-7923-5725-6, 465 pag.
2. E. Negrus, E. Mamut, Automotive Engineering for Better Quality of Life, 1999, Ex Ponto, Constanta, ISBN 973-9385-73-7, 210 pag.
3. A. Bejan, M. Feidt, E. Mamut, Energy Conversion, Conservation & Environmental Impact, 2002, IJER Special Issue, JOHN WILEY & SONS, UK, ISSN 0363-907X, 172 pag.
4. A. Bejan, D. Ingham, E. Mamut, Heat Transfer in Porous Media, 2003, IJER Special Issue, JOHN WILEY & SONS, UK, ISSN 0363-907X, 131 pag
5. Guang Tao Fei, E. Mamut, Thermal Properties of Nanofluids, 2003, Ovidius University Press, Romania, ISBN 973-614-126-8, 150 pag.
6. D. Ingham, A. Bejan, E. Mamut, I. Pop, Emerging Techniques & Technologies in Porous Media, Kluwer Academic Pub. Dordrecht, Netherlands, ISBN 1-4020-1874-6, 507 pag.
7. E. Mamut, Mihai Varlam, Ioan Stamatina, Elisabeta Pasculete, Elena Enescu, Camelia Brotan - Celule de combustie. Dictionar de termeni, Editura INFCON, ISBN:978-973-644-921-5, 2009, Constanta

III. Papers published in extenso in proceedings of international scientific sessions

- T. Mamut, E. Mamut, Energy Production Capacity of the Wastewater Treatment Sector in Romania, Int. Conf. on: Performance in Water – Sewerage Services, 2014 Palace of Parliament Bucharest, Romania
- T. Mamut, A. Badea, E. Mamut, Ecoinnovation and Holistic Engineering for Wastewater Treatment Plants with Positive Energy Balance, Int. Conf. on: Water Services and the new Energy Challenges, 2013 Palace of Parliament Bucharest, Romania
- T. Mamut, A. Badea, E. Mamut, The Reduction of Carbon Footprint of Urban Agglomerations by Fueling the City Bus Fleets with Biogas Produced in Wastewater Treatment Plants, MVT 2012, “Politehnica” University of Timisoara, Romania.
- E. C. SERBAN, A. BALAN, A. M. IORDACHE, A. CUCU, C. CEAUS, M. NECULA, G. RUXANDA, C. BACU, d, E. MAMUT, I. STAMATINA, "Urea/ Hydrogen Peroxide Fuel Cell", Digest Journal of Nanomaterials and Biostructures, Vol. 9, No. 4, October - December 2014
- Razvan Litoiu, **Mamut Eden**, Camelia Bacu, Dan Gelu Galusca, Maricel Agop, “Studiul transferului de căldură în compozite din nanotuburi de carbon cu matrice polimerică”, Rev. Materiale Plastice, Nr. 4/2010, <http://www.revmaterialeplastice.ro/pdf/LITOIU%20R.pdf%204%2010.pdf>
- **Mamut, Eden**, Băcu, Camelia, Avram, Rita, „Heat Transfer Management in PEMFC”, Proc. of the 16th ICIT Conference Progress in Cryogenics and Isotopes Separation, Calimănești –Caciulata ISBN 978-973-750-192-9, 2010, www.icsi.ro/conferinta/conferinta.html
- Băcu Camelia, **Mamut Eden**, Avram Rita: „Methods of Investigating Degradation Phenomena in Membrane Electrode Assemblies (MEA)”, Proc. of the 16th ICIT Conference Progress in Cryogenics and Isotopes Separation, Calimănești –Caciulata ISBN 978-973-750-192-9, 2010, www.icsi.ro/conferinta/conferinta.html
- **Mamut Eden**, Paizan Ana-Maria, Oancea Laurentiu: „The Improvement of the Efficiency of Anaerobic Digestion in Bio-Hydrogen Plants by Optimal Blended Biomass”, Proc. of the 16th ICIT Conference Progress in Cryogenics and Isotopes

- Separation, Calimănești –Caciulata ISBN 978-973-750-192-9, 2010, www.icsi.ro/conferinta/conferinta.html
- **E. Mamut**, “Integrating thin planar batteries in textile composites nato advanced research workshop: use of textile composites technology for safer vehicles”, Kiev, Ukraine, 18 – 21 mai, 2009, <http://www.nato.int/science/index.html>
 - **E. Mamut**, “Multicriterial & multiscale modeling of the impact of renewable energy sources on regional sustainable development”, Nato Advanced Research Workshop on Energy Options Impact on Regional Security, 17-20 Iunie 2007, Split, Croatia <http://www.nato.int/science/index.html>
 - Andreescu, Adriana Savin, Rozina Steigmann, Nicoleta Iftimie, **E. Mamut**, R. Grimberg: “Model for thermal conductivity of composites with carbon nanotubes”, Journal of thermal analysis and calorimetry, vol. 94 (2008) 2, 349–353
 - **EDEN MAMUT**, Characterization Of Heat And Mass Transfer Properties Of Nanofluids, Rom. Journ. Phys., Vol. 51, Nos. 1–2, P. 5–12, Bucharest, 2006,
 - Alina N. Anghel, **Eden Mamut**, Reforming Systems for Fuel Cells, Rom. Journ. Phys., Vol. 51, Nos. 1–2, P. 35–40, Bucharest, 2006
 - Claudiu Georgescu, **Eden Mamut**, A Study Concerning the Possibilities for Using Fuel Cells Systems for Maritime Propulsion, Rom. Journ. Phys., Vol. 51, Nos. 1–2, P. 49–56, Bucharest, 2006
 - Victor C. Regep, **Eden Mamut**, Stand for the Experimental Study of PEM Fuel Cells, Rom. Journ. Phys., Vol. 51, Nos. 1–2, P. 41–48, Bucharest, 2006
 - Mefa Cantemir, **Mamut Eden**, „Experimental Research Stand for PEM Fuel Cells”, Sustainability for Humanity & Environment in the Extended Connection Field Science – Economy – Policy: Scientific reunion of the special program of the Alexander von Humboldt Foundation concerning the reconstruction of the South Eastern Europe: 24-25 Februarie 2005/ Editura Politehnica, 2005, 2 vol, ISBN 973.625-204-3, pg 252-255
 - Sterpu Gheorghe, **Mamut Eden**, The Potential and the Barriers in the Implementation of Biofuels in Romania – Sustainability for Humanity & Environment in the Extended Connection Field Science – Economy – Policy: Scientific reunion of the special program of the Alexander von Humboldt Foundation concerning the reconstruction of the South Eastern Europe: 24-25 Februarie 2005/ Editura Politehnica, 2005, 2 vol, ISBN 973.625-204-3, pg. 272-275
 - **Mamut Eden**, Multi-Scale Thermofluid Design & Optimization in Advanced Energy Systems – Sustainability for Humanity & Environment in the Extended Connection Field Science – Economy – Policy: Scientific reunion of the special program of the Alexander von Humboldt Foundation concerning the reconstruction of the South Eastern Europe: 24-25 Februarie 2005/ Editura Politehnica, 2005, 2 vol, ISBN 973.625-204-3, pg. 155-158
 - **E. Mamut**, Multi-Scale Thermofluid Design, 2nd International Summer School on: Theoretical and Experimental Modeling of Combustion and Multi-Phase Flows in Advanced Energy Systems, Sakarya, Turcia, 2004
 - **E. Mamut**, Projects in the field of Nanosciences developed under BSUN, 3rd BSUN Congress 2004, Chisinau, Moldova
 - **E. Mamut**, Nanofluids - Fundamental Concept in Multi-Scale Thermofluid Design, 29th ARA Congress, Bochum, Germany, 2004
 - **E. Mamut**, Nanostructured Materials for Advance Energy Systems, BSUN – NATO Workshop on: Security throw Science, Baku, Azerbaijan, 2004
 - **E. Mamut**, G. T. Fei, Conditioning the Thermal Properties of Water by Colloidal Suspensions of Nanoparticles, Congress Water a Miracle, Constantza, 2004
 - **E. Mamut**, B. Nicolescu, Single Phase Flow Modeling in Parallel Multi-Structure Channels, Workshop on: Applied Mathematics in Biology, Constantza, 2004
 - **E. Mamut**, Hierarchical Processes in Fuel Cells, 1st International Seminar on Thermofluid Sciences, Gabrovo, Bulgaria, 2004
 - **E. Mamut**, D.G. Cacuci, Modeling Microscale Flows in Fuel Reforming Systems, SAE Paper 03 P-72, 2003, USA

- **E. Mamut**, D.G. Cacuci, Direct Numerical Simulation of Fluid Flows in Microchannels, MEET/MARIND 2002 Int. Conf., Varna, 2002
- **E. Mamut**, Distributed Computing for Direct Numerical Simulation of Turbulent Fluid Flows in Advanced Energy Systems, Int. Simp. GRID Computing, Bucharest 2002
- **E. Mamut**, The Navier-Stokes Equations for Modeling Flows through Microchannels, Int. Summer School on Heat Transfer in Porous Media, Neptun, 2001
- **E. Mamut**, Microtechnologies for Automotive Engineering, Int. Conf. ICE 2001, Capri, Italia, 2001
- **E. Mamut**, The Challenges of Microscale Engineering, The 3rd Int. Conf. "Romania and Romanians in Contemporary Science", Sinaia, 2001
- **E. Mamut**, Hysteresis Loop Analysis for Design and Optimization of Rubber Mounting Systems, The 17th Int. Conf. Science and Motor Vehicles 99, Belgrad, Yugoslavia, 1999, ISBN 86-80941-22-0, 6 pagini, pag. 43 - pag. 48.
- R. Mehdiev, **E.Mamut**, Internal Combustion Engines with Stratified Charge, 17th Int. Conf. Science and Motor Vehicles 99, SIAR - JUMV Section for Romania, Constanta, 1999, ISBN 973-9385-73-7, 4 pagini, pag. A3-1 - pag. A3-4.
- **E.Mamut**, Thermodynamics and Economics, 1999, în cadrul Cursului international "Introductory Course in Exergonomics", 8 pagini, Constanta.
- **E.Mamut**, Thermodynamic Modeling, 1999, în cadrul Scolii internationale de vara: "Second Law Analysis & Design of Thermal Systems", 12 pagini, Constanta
- **E.Mamut**, Thermodynamic Analysis and Optimization, 1999, în cadrul Scolii internationale de vara: "Second Law Analysis & Design of Thermal Systems", 16 pagini, Constanta.
- P. Bratu, **E.Mamut**, The Reliability Improvement of Rubber Mountings Manufactured in Romania, 1999, Int. Workshop TTCAM 99, Constanta, publicat in volumul:"Cost Efficient Methods and Techniques for Technology Transfer Services", 6 pagini, pag. 61 - pag. 66, Editura Tehnica, Bucuresti.
- **E.Mamut**, E. Scubba, R.Avrarn, 1999, Assisting SMEs in Improving the Efficiency and Reducing the Environmental Impact of Manufacturing Technologies - Project EFFECT, Int. Workshop TTCAM 99, Constanta, publicat in volumul:"Cost Efficient Methods and Techniques for Technology Transfer Services", 6 pagini, pag. 47 - pag. 52, Editura Tehnica, Bucuresti.
- R.Mehdiev, **E.Mamut**, New Technologies for Reducing the Pollution of Internal Combustion Engines, 1999, Int. Workshop TTCAM 99, Constanta, publicat in volumul:"Cost Efficient Methods and Techniques for Technology Transfer Services", 8 pagini, pag. 53 - pag. 60, Editura Tehnica, Bucuresti.
- R. Mehdiev, **E.Mamut**, The Effect of Charge Stratification on the Pollutant Emissions of Spark Ignition Engines, A IX-a Conf. Int.de Motoare CONAT 99, BraSov, 1999, ISBN 973-9474-19-5, 7 pagini, pag. E36-1 - pag. E36-7.
- **E.Mamut**, R. Mehdiev,, Possibilities of Charge Stratification on Dacia Engines, A IX-a Conf. Int.de Motoare CONAT 99, Brasov, 1999, ISBN 973-9474-19-5, 4 pagini, pag. E37-1 - pag. E37-4.
- **E. Mamut**, A Second Law Based Analysis of Thermomechanical Dissipative Processes, 1998, NATO-ASI, Neptun ISBN 0-7923-5725-6, 16 pagini, pag. 297 - pag.312.
- R. Florescu, **E. Mamut**, Stand for Experimental Research on Naval Heat-exchangers, 1997, 2nd Int. Seminar on Marine Industry & Environmental Protection, 6 pagini, Constantza
- C.Balan, **E. Mamut**, The Isolation of Mechanical Vibrations of a Naval Engine-pump Unit, 1997, 2nd Int. Seminar on Marine Industry & Environmental Protection, 6 pagini, Constantza
- P.Hirtescu, **E.Mamut**, P. Buricea, The Analysis of the Production Line for Hull Components, at Constantza Shipyard, in the Restructuring Purpose, 1997, 2nd Int. Seminar on Marine Industry & Environmental Protection, 12 pagini, Constantza
- **E. Mamut**, Simulation of Some Shipboard Thermal Processes on a Multifunctional

- Stand, First Int. Conf. on Marine Simulation, 1996, Alexandria, Egipt. ISBN 1-874011 91 5, 9 pagini, pag. 21-1 - pag. 21-9.
- E. Mamut, I. Mamut, A Method for the Calculation of the Starting Energy for Marine Engines, 1995, Nat. Conf. in Ship Building, Istanbul, Turcia, 7 pagini, pag. 483 - pag. 489.
 - **E. Mamut**, C.A.D. of Flexible Mounting Systems for Yacht Engines, 1995, 1st Int. Conf. on Yacht Technologies, Izmir, Turcia. ISBN 975-94695-0-2, 8 pagini, pag. 133 - pag.140.
 - **E. Mamut**, Nanofluids Fundamental Concept in Multi-Scale Thermofluid Design, ARA Journal, 2004
 - **E. Mamut**, G. T. Fei, Modeling Thermal Properties of Nanofluids, International Journal of Thermal Sciences, 2004
 - B. Nicolescu, **E. Mamut**, M. Girtu, Modeling of Multi-Channel Viscous Flows, Romanian Journal of Physics, 2004
 - Agop Marcel, **Mamut Eden**, Galusca Dan-Gelu, Ionita Iulian, Vizureanu Petrica, O Abordare Teoretica a Transferului de Caldura in Nanofluid/ A Theoretical Approach of the Heat Transfer in Nanofluids, Revista METALURGIA, editura Stiintifica F.M.R., nr 8, 2005, ISSN 0461-9579, page 13-31
 - G. T. Fei, **E. Mamut**, One-step Technology for Producing Nanofluids, in Revue of the Bulgarian Academy, 2004
 - **E. Mamut**, Characterisation of Heat and Mass Transfer Properties of Nanofluids, Romanian Journal of Physics, vol. 51, nr. 1-2, Pg. 5-12, Bucharest, 2006

IV) Papers published in Annals of the „Dunarea de Jos”University from Galati

- On the Heat Ballistical Phonon Transport in Nanofluids, Autori: M. Agop, **E. Mamut**, Irina Hoga, V. Enache, Ministerul Educatiei si Cercetarii, Analele Universitatii Dunarea de Jos din Galati, Fascicula II, anul XXIII (XXVIII) 2005, ISSN 12221-4531
- On the Fractal Structure of the Heat Transfer Process in Nanofluids, Autori: M. Agop, **E. Mamut**, V. Enache, M. Buzdugan, Ministerul Educatiei si Cercetarii, Analele Universitatii Dunarea de Jos din Galati, Fascicula II, anul XXIII (XXVIII) 2005, ISSN 12221-4531

V) Papers published in proceedings of national scientific sessions

- **E. Mamut**, C. Brotan, "MULTIFUNCTIONAL STAND FOR THE PRODUCTION OF HYDROGEN FROM BIOMASS"- - Proceedingul celei de-a XIV-a conferinta nationale cu participare internationala "PROGRES IN CRIOGENIE SI SEPARAREA IZOTOPILOR" Calimanesti-Caciulata, Valcea, Romania, 29-31 octombrie 2008
- **Eden MAMUT**, Camelia BROTRAN, "The enhancement of heat transfer properties of rubber compounds by the reinforcement with carbon nanotubes", - SECOND INTERNATIONAL CONGRESS AUTOMOTIVE, SAFETY AND ENVIRONMENT 23 - 25 October, 2008 – Craiova, Romania
- **Eden MAMUT**, "Procesarea biomasei in vederea producerii de hidrogen", Scoala de Vara "Utilizarea resurselor energetice regenerabile" - 25-27 septembrie 2008, Constanta
- **E. Mamut**, C. Brotan, M. Marin, R. Avram, S. Andrei, L. Andrei "Participarea echipei OUC-CAES in proiecte de cercetare dezvoltare nationale si europene pe Hidrogen si Celule de Combustie" – Conferinta Nationala pentru Hidrogen si Celule de Combustie, 20.07.2007, Sibiu, Romania
- G.T. Fei, **E. Mamut**, "Nanofluids – Fluids with Controlled Thermal Properties", Conferinta Nationala "Progrese in Domeniul Criogeniei si Separarii Izotopilor", 2003, ICSI Ramnicul Valcea
- **E. Mamut**, s.a. Realizari privind pornirea pneumatica a M.A.C. de pe autovehicule,

- 1988, Sesiunea Jubiliara de Comunicari Stiintifice "Contributia Învatamântului Politehnic la Dezvoltarea Ramurilor de Vârf ale Industriei din România", I.P. "Gh Asachi", 5 pagini, pag. 157 - pag. 161, Iasi.
- **E. Mamut**, D. Tudor, Influenta coroziunii fretting asupra fiabilitatii axelor fata la autocamioanele ROMAN 16t, 1990, Conf. Nat. de Tribologie, TRIBOTEHNICA '90, 4 pagini, Cluj.
 - D. Tudor, **E. Mamut**, Coroziunea termochimica la cilindri motoarelor navale, 1990, Conf. Nat. de Tribologie, TRIBOTEHNICA '90, 6 pagini, Cluj.
 - D. Tudor, **E. Mamut**, P. Bocanete, Analiza eficientei motoarelor principale la nave, folosind metoda bilantului termic, 1991, Conf. Nat. de Termotehnica, 10 pagini, pag. 73 - pag. 82, Bucuresti.
 - P. Bratu, **E. Mamut**, Modelarea efectelor termice la elementele antivibratile din cauciuc, 1992, Conf. Nat. de Termotehnica, 6 pagini, Constanta.
 - **E. Mamut**, D. Tudor,, Simularea proceselor termice, 1992, Conf. Nat. de Termotehnica, 10 pagini, Constanta.
 - **E. Mamut**, Cresterea fiabilitatii demaroarelor pneumatice, 1992, Conf. Nat. SIAR, 6 pagini, Pitesti.
 - **E. Mamut**, Analiza zgomotului produs de demaroare pneumatice, 1992, Conf. Nat. SIAR, 4 pagini, Pitesti.
 - L. Neamtu, P. Bocanete, **E. Mamut**, Metoda simplificata pentru calculul termic al unei masini navale cu abur cu piston cu expansiune multipla, 1994, Conf. Nat. de Termotehnica, 8 pagini, Timisoara
 - **E. Mamut**, A. Gogan, Analiza exergetica a compresoarelor reparate, 1996, Conf. Nat. de Termotehnica, Iasi, publicat în volumul: Termotehnica Româneasca '96, ISBN 973-9178-37-5, 6 pagini, pag. 59 - pag. 64.
 - A. Bayulken, **E. Mamut**, D. Unsalan, On the Non - Destructive Study of Crack Growth in Rubber Mountings, 1995, 4th Nat. Conf. on Non-Destructive Testing, 8 pagini, Bucuresti.
 - **E. Mamut**, Integrarea Transportului Rutier in Sistemul de Transport Intermodal, Conferinta Nationala a Transportatorilor, Poiana Brasov, 2000
 - **E. Mamut**, s.a. Realizari privind pornirea pneumatica a M.A.C. de pe autovehicule, 1988, Sesiunea Jubiliara de Comunicari Stiintifice "Contributia Învatamântului Politehnic la Dezvoltarea Ramurilor de Vârf ale Industriei din România", I.P. "Gh Asachi", 5 pagini, pag. 157 - pag. 161, Iasi.
 - **E. Mamut**, D. Tudor, Influenta coroziunii fretting asupra fiabilitatii axelor fata la autocamioanele ROMAN 16t, 1990, Conf. Nat. de Tribologie, TRIBOTEHNICA '90, 4 pagini, Cluj.
 - D. Tudor, **E. Mamut**, Coroziunea termochimica la cilindri motoarelor navale, 1990, Conf. Nat. de Tribologie, TRIBOTEHNICA '90, 6 pagini, Cluj.
 - D. Tudor, **E. Mamut**, P. Bocanete, Analiza eficientei motoarelor principale la nave, folosind metoda bilantului termic, 1991, Conf. Nat. de Termotehnica, 10 pagini, pag. 73 - pag. 82, Bucuresti.
 - P. Bratu, **E. Mamut**, Modelarea efectelor termice la elementele antivibratile din cauciuc, 1992, Conf. Nat. de Termotehnica, 6 pagini, Constanta.
 - **E. Mamut**, D. Tudor,, Simularea proceselor termice, 1992, Conf. Nat. de Termotehnica, 10 pagini, Constanta.
 - **E. Mamut**, Cresterea fiabilitatii demaroarelor pneumatice, 1992, Conf. Nat. SIAR, 6 pagini, Pitesti.
 - **E. Mamut**, Analiza zgomotului produs de demaroare pneumatice, 1992, Conf. Nat. SIAR, 4 pagini, Pitesti.
 - L. Neamtu, P. Bocanete, **E. Mamut**, Metoda simplificata pentru calculul termic al unei masini navale cu abur cu piston cu expansiune multipla, 1994, Conf. Nat. de Termotehnica, 8 pagini, Timisoara
 - **E. Mamut**, A. Gogan, Analiza exergetica a compresoarelor reparate, 1996, Conf. Nat. de Termotehnica, Iasi, publicat în volumul: Termotehnica Româneasca '96, ISBN

- 973-9178-37-5, 6 pagini, pag. 59 - pag. 64.
- Bayulken, **E. Mamut**, D. Unsalan, On the Non - Destructive Study of Crack Growth in Rubber Mountings, 1995, 4th Nat. Conf. on Non-Destructive Testing, 8 pagini, Bucuresti.
 - **E. Mamut**, Integrarea Transportului Rutier in Sistemul de Transport Intermodal, Conferinta Nationala a Transportatorilor, Poiana Brasov, 2000
 - **E. Mamut**, Demaroare pneumatice pentru motoare Diesel, 1989, Seminarul "Modernizari de Instalatii Si Autovehicule", 6 pagini, Constanta.
 - **E. Mamut**, Ungerea instalatiilor de pornire cu are comprimat, 1989, Sesiunea Judetena de Comunicari Stiintifice, 4 pagini, Constanta.
 - **E. Mamut**, Reconditionarea si verificarea cutiilor hidromecanice BELAZ, 1989, Sesiunea Judetena de Comunicari Stiintifice, 4 pagini, Constanta.
 - **E. Mamut**, Înlocuirea cilindrilor de distribuitoare la instalatiile hidraulice, 1989, Sesiunea Judetena de Comunicari Stiintifice, 4 pagini, Constanta.
 - P. Bratu, **E. Mamut**, Efecte termice la izolatoarele antivibratile din cauciuc, 1991, Simp. de Masini de constructii si echipamente, 6 pagini, pag. 183 - pag. 189, Bucuresti.
 - P. Bratu, **E. Mamut**, Analiza vibratiilor în sistemele termomecanice, 1993, Colocviile Facultatii de inginerie, 6 pagini, Constanta
 - **E. Mamut**, A. Gogan, Stand pentru modelarea comportamentului instalatiilor termice, 1993, Sesiune de Comunicari Stiintifice a Univ. "Dunarea de Jos", 6 pagini, Galati.
 - **E. Mamut**, Modelarea curgerilor nestationare a gazelor prin conducte, 1993, Sesiune de Comunicari Stiintifice a Univ. "Dunarea de Jos", 8 pagini, Galati.
 - **E. Mamut**, Proiectarea fiabilistica a sistemelor mecanice, 1998, Seminarul de Inginerie Asistata de Calculator, 6 pagini, Constanta
 - P. Bratu, **E. Mamut**, Folosirea distributiei de energie interna în studiul proceselor termomecanice la elementele antivibratile din cauciuc, 1996, 8 pagini, Revista Studii si Cercetari de Mecanica Aplicata a Academiei Române.
 - **E. Mamut**, D. Unsalan, P. Bratu, Modelarea cu metoda elementelor finite a proceselor termomecanice la elementele antivibratile din cauciuc, 1996, 20 pagini, Revista Studii si Cercetari de Mecanica Aplicata a Academiei Române.
 - **E. Mamut**, Proiectarea fiabilistica a sistemelor de izolare antivibratorie cu elemente din cauciuc, 6 pagini, Revista Inginerilor de Automobile

VI) Papers published in abstract or poster at international scientific meetings

- **E. Mamut**, C. Bacu , A. Paizan, F Mazilu "Integration of distributed energy resources in dobrogea region of romania using hydrogen energy technologies", Third european fuel cell technology & applications conference piero lunghi efc09 , 15-18 decembrie 2009, Rome, Italy, www.asmeconferences.org/efc09
- **E. Mamut**, "The Concept of Distributed Energy Generation Based On RES for the Dobrogea Region In Romania", European Meeting Point - Energy for Development 2007, 10-12 octombrie 2007, Beja, Portugalia
- **E. Mamut**, „Hydrogen Production Potential from Biomass in the Black Sea Region”, „2nd International Hydrogen Energy Congress & Exhibition - IHEC 2007, 13-15 iulie 2007, Istanbul, Turcia
- **E. Mamut**, "Multicriterial and multiscale modeling of the impact of renewable energy sources on regional sustainable development", NATO Advanced Researcher Workshop: Energy Production and Consumption , Napoli , 3-7 iulie 2007
- **E. Mamut**, R. Avram, L. Caescu - "Modelarea Proceselor de Deteriorare a Structurilor de Tip Ansamblu Membrana – Electrode (MEA) pentru Celulele de Combustie Tip Oxid Solid (SOFC)", Simpozionul National al AroEND, Editia a XIII-a, Mamaia-Constanta - 14 – 16 iunie 2006
- **E. Mamut**, "Fuel Cells in Romania", Intalnirea grupului de lucru pentru celule de combustie al Centrului de Cercetari din Juelich, 9 si 10 mai 2006, Juelich, Germania

- **E. Mamut**, „Proiecte de cercetare in domeniul celulelor de combustie in Romania”, Seminarul organizat de Societatea Franceza de Termotehnica, in colaborare cu Grupul Renault cu tema „Cooperarea intre universitati si industrie in domeniul celulelor de combustie si a sistemelor energetice pe baza de celule de combustie”, aprilie 2006, Guyancourt, Franta.
- **E.Mamut** - „Tendinte curente in dezvoltarea tehnologiilor pe baza de celule de combustie” - aprilie 2006, Baku
- **E. Mamut** - „Celula de combustie intre provocari si perspective” – Simpozion „Oportunitati de participare la proiecte europene de cercetare in domeniul hidrogenului si celulelor de combustie”, aprilie 2006, Constanta
- R. Avram, **E. Mamut**, L. Caescu - “Laboratorul de cercetare si testare a celulelor de combustie in cadrul Universitatii “Ovidius” Constanta” – Simpozion „Oportunitati de participare la proiecte europene de cercetare in domeniul hidrogenului si celulelor de combustie”, aprilie 2006, Constanta
- **E. Mamut**, « Sisteme de transport utilizand hidrogen – o directie posibila pentru dezvoltare durabila », Simpozion «Tendinte Actuale si Strategii de Cercetare in Domeniul Motoarelor Termice », 7 Decembrie 2005, Bucuresti
- **E. Mamut**, “A Hierarchical Approach to thermofluid Modeling of PEM Fuel Cells”, Prima Conferinta Europeana asupra Tehnologiilor pentru Celule de Combustie, organizata sub egida ASME, 14-16 Decembrie 2005, Roma, Italia
- **E. Mamut**, „Hydrogen Fueled Transport Systems – A Possible Vector for Sustainable Development”, International Congress on Automotive: Automotive and Environment – CAR 2005, de la Pitesti, din 2-4 Noiembrie 2005
- L. Caescu, **E. Mamut**, “The Improvement of the Operation Efficiency in Container Terminals Based on the Re-Engineering of the Container Transport Equipment”, International Congress on Automotive: Automotive and Environment – CAR 2005, de la Pitesti, din 2-4 Noiembrie 2005
- V. Regep, **E. Mamut**, “VENTURE – Virtual Electric Power Train Teaching and Simulation Internet Based Lab”, International Congress on Automotive: Automotive and Environment – CAR 2005, de la Pitesti, din 2-4 Noiembrie 2005
- E. Mamut, “Research and Demonstration Projects on Fuel Cells and Hydrogen Energy Technologies”, Seminar de lansare a Platformei de de Hidrogen, 12 - 14.10.2005, Bucuresti.
- M. Godeanu, **E. Mamut**, S. Godeanu L. Caescu, “Hydrogen Production Potential from Biomass in the Dobrogea Region” , Seminarul International “Biofuels & Bioenergy: Present & Perspectives” din perioada 21 - 22 septembrie 2005, **Bucuresti**
- **E.Mamut**, R.Avram, L.Caescu, “IT&C Technologies for Advanced Resources Portal – a support for student centered progams on engineering”, Conferinta E_COMM Line 2005, 19-20 Septembrie 2005, Bucuresti
- **E. Mamut**, “Sisteme de Tractiune Electrice cu Celule de Combustie”, Conferinta de lansare a Programului MANUFACTURE, 4 iulie 2005, Bucuresti
- **E. Mamut**, “Multi-scale Thermofluid Modeling and Design in PEM Fuel Cells”, Congresul International Energy Hydrogen, 13 – 15 Iulie 2005, Istanbul, Turcia
- M. Godeanu, **E. Mamut**, S. Godeanu, M. Skolka, A. Lup, “Biomass Potentials on the West Coast of the Black Sea and Processing Alternatives of Biomass as Renewable Energy Sources”, Workshop International “Clean Recovered Fuells for Gasification of Waste and Biomass”, 27-28 Iunie 2005, Bucuresti
- **E. Mamut**, “Modeling fluid Macroscale Flows in Fuel Reformiong Systems”, a II a Conferinta Internationala de Termodinamica Aplicata, Istanbul, Turcia 18 – 20 mai 2005
- **E. Mamut**, „Hydrogen – A Tentative Energy Vector in Romania”, Workshop „Highways”, Bruxelles, Belgia, 21 aprilie 2005
- **E. Mamut**, Hierarchical Modeling of Advanced Energy Systems including Fuel Cells, Argonne National Lab. – Energy Technology Division Seminar, Chicago, USA, 6 Aprilie 2005

- **E. Mamut**, Modeling Fluid Microscale Flows In Fuel Reforming Systems, ATC 2005 Istanbul
- **E. Mamut**, „Multi-scale thermofluid modeling and optimization of fuel cells and fuel reforming systems”, 13 decembrie 2004 , Departamentul de Hidrogen si Celule de Combustie in Casaccia, Italia
- **E. Mamut**, Characterization of Heat & Mass Transfer Properties of Nanofluids, 2004, Simpozionul Romano – Francez COFRET’ 04, Nancy, 2004
- **E. Mamut** – seminar „Multi-scale thermofluid design of advanced energy systems: the case of fuel cell” - Institutul de Motoare din Napoli, 15 Octombrie 2004
- **E. Mamut** – “Material and Thermal Transport Management in MEA Fuel Cells”, workshop “The Solar Hydrogen Energy Conversion Cycle – New Trends in Gas Electrode Structures”, Sofia, Bulgaria. 26 Noiembrie, 2004.
- **E. Mamut**, Intermodal Transportation, SAE - SOLS & Technical Event, Moeciu, 2000
- **E. Mamut**, Thermoconomics – Applications to Domestic Heating, Int. Summer School on Energy Conversion, Conservation & Environmental Impact, Constantza, 2000
- **E. Mamut**, Financial Resources for Scientific Research Projects, BSUN Congress 2000, Istanbul. 2000
- **E. Mamut**”Hierarchical Modeling of Process in Advanced Energy Systems including Fuel Cells” Argonne National Laboratory, Divizia de Energetica, Chicago, SUA,
- **E. Mamut**, A FEM Solution for Thermomechanical Dissipation of Energy in Viscoelastic Media, 1995, Turkish-Romanian Seminar, Bosphorus University, Istanbul, Turkey
- **E. Mamut**, The Maintenance of the Shipboard Equipment Mounting Systems, 1995, Int. Seminar on "Shipboard Technologies", 6 pagini, Istanbul, Turcia.
- **E. Mamut**, On the Consequences of the Thermomechanical Processes in Rubber Mountings, 1995, Int. Seminar on "Issues in the Shipboard Vibration Isolation", 6 pagini, Istanbul, Turcia.

VII) Invited as Lecturer, Keynote Speaker and personal conferences:

- 2011 United Nations Academic Impact Forum, Seoul, Coreea (UNAIFIS)
- International Summer School on: PEM FUEL CELLS APPLICATIONS and INTEGRATION 11-15 Iulie, 2011 Izmir, Turcia
- 2nd International Workshop On Degradation Issues On Fuel Cells, 21-23 Septembrie 2011, Greece
- The 64th Annual UN DPI/NGO Conference: Sustainable Societies Responsive Citizens, Bonn, 3-5 Septembrie 2011
- International Summer School on: High Performance Computing and Cloud Computing for Sustainable Development, 12-16 Septembrie, 2011, Constanta, Romania
- 6th Annual Brussels Climate Change Conference, 2-3 Martie, 2011
- Scoala de vara internationala: PEM Fuel Cells applications and integration, Istanbul, Turcia, 19-23 Iulie 2010
- Hierarchical Modeling of Advanced Energy Systems including Fuel Cells, Argonne National Lab. – Energy Technology Division Seminar, Chicago, SUA, 6 Aprilie 2005, Persoana de referinta: Dr. Steve Choi
- Multi-Scale Thermofluid Modeling & Optimization of Fuel Cells and Fuel Reforming Systems, ENEA – IDROCOMB, Cassacia, Italia, 13 Decembrie 2004, Persoana de referinta: Dr. Marco Brocco
- NANOFUIDS – Fundamental Concept in Multi Scales Thermofluid Modeling & Design, Istituto Motori, Naples, Italia, 15 Octombrie 2004, Persoana de referinta: Dr. Felice E. Corcione
- Multiple Scales Modeling & Optimization in Energy Systems, Baku State University, Azerbaijan, 15 Iunie 2004, Persoana de referinta: Prof. Abel

Maharamov

- Modeling Heat & Mass Transfer Processes in Micro Heat Exchangers & Micro Reactors, Institute of Solid State Physics, Chinese Academy of Sciences, 18 Septembrie 2003, Hefei, China, Persoana de referinta: Dr. Guang Tao Fei

Reviewer for International Conferences & Journals:

1. Applied Thermal Engineering, Elsevier, The Netherlands, reviewer since 2009 - 23 reviews
2. Fuel Processing Technology, Elsevier, The Netherlands reviewer since 2013 – 16 reviews
3. Chemical Engineering Journal, Elsevier, The Netherlands, 2003
4. International Conference MEET/MARIND 2002, Varna, Bulgaria
5. International Conference on Thermodynamics & Heat Transfer, 2002, Durban, South Africa
6. International Conference MARIND 2001, Varna, Bulgaria

Other skills and competences

Post graduate specialization courses:

- Energy Auditing, 2004, "Politehnica" University of Bucharest, Romania
- Management of Quality Systems, 2000, Romanian Association for Quality, Bucharest
- TRAIN-X Course Development Standards, 1998, United Nations, New York
- World Bank Partnership Consultancy, 1998, World Bank, Washington D.C.
- Management Consultancy, 1997, Washington State University
- Entrepreneurship, 1996, McIntire School of Commerce, Virginia State University
- C++ Programming, 1995 Yildiz Technical University, Istanbul, Turkey
- Reliability and maintenance of Complex Systems, 1995, NATO - ASI, Antalya, Turkey
- Restructuring Ex-socialist Enterprises, 1994, World Bank, Vienna
- CAD with AutoCad, 1991, Bucharest, Romania

Driving licence

Romanian driving licence – C category

Additional information

- Honorary Professor at Zaporozhye National Technical University, Ukraine, 2015
- Honorary Professor of Crimean Technical & Pedagogic University, Simferopol Crimea, Ukraine;
- Knight of the Romanian National Order "Star of Romania";
- Founder of the company "ET Innovative Solutions" Ltd, Romania
- married since 1983 with Melat Mamut
- 1 son, Timur Daniar Mamut

Date: January 1st 2022

Prof. Dr. Eden Mamut