

Cerere depunere candidatură MEMBRU ÎN CONSILIUL DEPARTAMENTULUI

Nr. 166 / 19-12-2019

Universitatea Politehnica Timișoara
Departamentul _____

Subsemnatul/subsemnata Vasar Cristian cadru didactic titular în Universitatea Politehnica Timișoara, Departamentul Automatica și Informatica Aplicată prin prezenta îmi depun candidatura pentru mandatul de **membru în consiliul departamentului**.

În conformitate cu Regulamentul privind organizarea și desfășurarea proceselor de constituire a structurilor de conducere și de alegere/desemnare/ocupare prin concurs a funcțiilor de conducere la nivelul Universității Politehnica Timișoara, pentru legislatura 2020 - 2024, anexează următoarele documente:

- Curriculum Vitae.

Acord privind prelucrarea datelor cu caracter personal:

Cunoscând faptul că datele cu caracter personal pe care dosarul meu de candidatură le conține, vor fi prelucrate de Universitatea Politehnica Timișoara în procedura de alegeri, conform Regulamentului privind organizarea și desfășurarea proceselor de constituire a structurilor de conducere și de alegere/desemnare/ocupare prin concurs a funcțiilor de conducere la nivelul Universității Politehnica Timișoara, pentru legislatura 2020 - 2024, declar expres că sunt de acord cu prelucrarea acestor date, inclusiv cu postarea lor în mediul online și la avizier (a CV-ului și planului de management, cu anonimizarea semnăturii, respectiv a adresei, număr de telefon, data nașterii, e-mail trecute în CV) și menținerea acestora până la încheierea proceselor de constituire a structurilor de conducere și de alegere/desemnare/ocupare prin concurs a funcțiilor de conducere la nivelul Universității Politehnica Timișoara, pentru legislatura 2020-2024, după calendarul de alegeri. De asemenea sunt de acord cu transmiterea acestor date ministerului de resort și altor instituții și autorități publice abilitate. Declar expres că sunt de acord ca dosarul de candidatură în original să poată fi consultat de membrii comunității academice ai Universității Politehnica Timișoara, fără ca aceștia să poată copia/fotografia documentele aflate în dosarele originale.

Data

19.12.2019

Nume prenume, semnătura

Vasar Cristian

Europass Curriculum Vitae



Personal information

First name / Surname Cristian Vașar
Address
Telephone(s) +40 256 403237 **Mobile:**
Fax +40 256 403214
E-mail cristian.vasar@aut.upt.ro
Nationality Romanian
Date of birth
Gender Male

Work experience

Dates 1997 - present
Occupation or position held Teaching Assistant, Assistant, Lecturer
Main activities and responsibilities Teaching activities (teaching courses, labs, seminars and specific projects).
 Research activities as member of different projects.
Name and address of employer Politehnica University of Timisoara, Faculty of Automation and Computers, Timisoara
Type of business or sector Education and research

Education and training

Date 2009
Title of qualification awarded PhD in Engineering Sciences, area of Automation
Principal subjects/occupational skills covered Wireless Sensor Networks, Informatics Systems, Programming Languages, Artificial Intelligence / Competences in Automation, - research activities
Name and type of organization providing education and training Politehnica University of Timisoara
Level in national or international classification Post graduated studies – Automation and Computers
Date 1998
Title of qualification awarded Post graduated Diploma – in Automated Systems field
Principal subjects/occupational skills covered Technical courses in the field of system engineering and specialized in designing computing systems and equipments. Competences in analyze/ design in the field of automation and computers
Name and type of organization providing education and training Politehnica University of Timisoara
Level in national or international classification Post graduated studies
Date 1997
Title of qualification awarded Engineer, specialization automation and computers
Principal subjects/occupational skills covered Technical courses in the field of system engineering and specialized in designing computing systems and equipments. Competences in analyze/ design in the field of automation and computers

Name and type of organization providing education and training
Level in national or international classification

Politehnica University of Timisoara
Engineer

Personal skills and competences

Mother tongue(s)
Other language(s)
Self-assessment
European level ()*

Romanian
English

Understanding				Speaking		Writing	
Listening		Reading		Spoken interaction		Spoken production	
C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user
C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user

English

(*) *Common European Framework of Reference for Languages*

Social skills and competences

- team spirit
- good communication capacity
- adaptability to multicultural environments

Organizational skills and competences

- organizing skills and initiative
- important experience in technical and administrative projects

Technical skills and competences

- competence in the field of automation and applied informatics
- experience in activities that imply automation and measuring equipment
- experience in networking

Computer skills and competences

- advanced computer usage (Linux/Windows/Office), databases SQL, programming languages (PHP) and advanced usage of specific simulating environments: Matlab, Simulink, etc

Other skills and competences

Tennis, swimming

Driving license

B category

Additional information

Domains of professional interest:

- renewable energy conversion systems, smart grids;
- modeling and simulation, system identification;
- data acquisition and control systems;
- neural networks, machine learning
- wireless sensor networks

Member in scientific organizations/organisms:

- S.R.A.I.T. (Romanian Society for Automation and Technical Informatics)
- S.I.E.A.R. (Romanian Society for Electric and Automation Installations)

Member in the management team of 2 international grants:

- Improvement of the Structures and Efficiency of Small Horizontal Axis Wind Generators with Non-Regulated Blades, EEA GRANTS code RO0018, during years 2009-2011
- Cross-border access infrastructure to high-level education through web-casts, IPA MIS-ETC code 1379, during years 2014-2015

Additional information

Member in the implementation/research team of 22 national grants, of which the following are selected:

- Microgrid integrated small power renewable energy hybrid systems, UEFISCDI-PN-II-PT-PCCA, PCCA 36/2012, during years 2012-2016
- GENEX: Optimizing of electric hydro-generators achieved through modernizing of excitation systems to improve their energetic efficiency and competitiveness, PNCDI II, Program 4 - Partnerships, PDP-1412/2007 - 2010, CNMP, Contract 21-040/14.09.2007
- Researches regarding the control of new structures of wind aggregates with nonregulated blades and permanent magnet synchronous generators, Grant CNCSIS nr.98GR / 11.06.2008, Code CNCSIS 372

- Structures, methods and strategies for identification, modeling and simulation and control of systems with asynchronous generators used in renewable resources energetics, Grant CNCIS nr. 33550 / 2003, code CNCIS 26
- Researches regarding synthesis and implementation of control strategies based on neural networks, using digital signal processors, applied for controlling the excitation systems of synchronous generators, Grant CNCIS nr. 46GR / 11.05.2007, Code CNCIS 359

Member of Technical committee or reviewer for 7 International Conferences.

Reviewer for 6 journals indexed by ISI Web of Knowledge.

Author of 5 technical books published by national publishers recognized by CNCIS.

Author of 72 scientific papers (42 indexed ISI Web of Knowledge:3 in journals and 39 in conference proceedings) having over 140 citations (55 time cited by papers indexed by ISI Web of Knowledge) of which the following papers are selected:

- Filip Ioan, Mihet-Popa Lucian, Vasar Cristian, Prostean Octavian, Szeidert Iosif, Considerations Regarding the Design of a Minimum Variance Control System for an Induction Generator, ELECTRONICS Volume: 8 Issue: 5 Article Number: 532 DOI: 10.3390/electronics8050532 Published: MAY 2019, WOS:000470999900063, ISSN: 2079-9292,
- Filip Ioan, Vasar Cristian, Szeidert Iosif, Prostean Octavian, Self-tuning strategy for a minimum variance control system of a highly disturbed process, EUROPEAN JOURNAL OF CONTROL Volume: 46 Pages: 49-62 DOI: 10.1016/j.ejcon.2018.06.004, MAR 2019, WOS:000461411500005, ISSN: 0947-3580, eISSN: 1435-5671
- Vasar Cristian, Prostean Octavian, Filip Ioan, Robu Raul, Popescu Dan, Markov Models for Wireless Sensor Network Reliability, IEEE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS AUG 27-29, 2009, Cluj Napoca, ROMANIA, WOS:000277143300054
- Filip Ioan, Prostean Octavian, Vasar Cristian, Szeidert Iosif, An Improved Structure of an Adaptive Excitation Control System Operating under Short-Circuit, Journal ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume 16, Issue 2, Pages 43-50, 2016, WOS:000376996100006
- Vasar Cristian, Prostean Gabriela, Szeidert Iosif, An Analysis of Diffuse Solar Radiation, 20th Jubilee IEEE International Conference on Intelligent Engineering Systems (INES), JUN 30-JUL 02, 2016, Budapest, HUNGARY, WOS:000389448700028
- Vasar Cristian, Prostean Octavian, Prostean Gabriela, Evaluating solar radiation on a tilted surfaces - a study case in Timis (Romania), International Conference on Applied Sciences (ICAS), JUN 03-05, 2015, Wuhan, CHINA, WOS:000371992900026
- Prostean Gabriela, Vasar Cristian, Prostean Octavian, Vartosu Adrian, Risk analysis for renewable energy projects due to constraints arising, International Conference on Applied Sciences (ICAS), JUN 03-05, 2015, Wuhan, CHINA, WOS:000371992900017
- Robu Raul, Vasar Cristian, Robu Nicolae, Holban Stefan, A study on Ant Miner parameters, 6th International Conference on Information, Intelligence, Systems and Applications (IISA), JUL 06-08, 2015, Corfu, GREECE, WOS:000381572400079
- Gana Ovidiu, Vasar Cristian, Babescu Marius, Vartosu Adrian, PV Control System Based On Short-Circuit Current, 8th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 23-25, 2013, Timisoara, ROMANIA, WOS:000333188100069
- Boraci Radu, Vasar Cristian, Experimental Application of a Pragmatic Method to Design Control Strategy for Low Power Wind Energy Conversion System, Advances in Intelligent Systems and Computing, 5th International Workshop Soft Computing Applications (SOFA), AUG 22-24, 2012, Szeged, HUNGARY, WOS:000314077300018
- Vasar Cristian, Prostean Octavian, Filip Ioan, Robu Raul, Popescu Dan, A Reliability Analysis for Wireless Sensor Networks in a Wind Farm, 22nd International Symposium on Information Communication and Automation Technologies, OCT 29-31, 2009, Sarajevo, Bosnia Herzegovina, WOS:000283478400034
- Vasar Cristian, Prostean Gabriela, Robu Andreea, Issues on Low Power Routing For Wireless Sensor Networks, 5th International Symposium on Applied Computational Intelligence and Informatics, MAY 28-29, 2009, Timisoara, ROMANIA, WOS:000273929400063
- Vasar Cristian, Prostean Octavian, Filip Ioan, Szeidert Iosif, Robu Andreea, Using Data Aggregation to Prolong the Lifetime of Wide-area Wireless Sensor Networks, IEEE 4th International Conference on Intelligent Computer Communication and Processing, AUG 28-30, 2008, Cluj Napoca, ROMANIA, WOS:000261519200033