

## **PREDLOG SRPSKOJ AKADEMIJI OBRAZOVANJA**

*za izbor prof. dr emeritusa Ivana Bogdanova Iuliu za inostranog člana Srpske akademije obrazovanja*

Biobibliografija data u skici Europassa dovoljno je obrazloženje za ovaj predlog, tako da se dodavanje nameće kao interpretacija podataka koji govore sami po sebi i čine sve drugo izlišnim. U nadi da će se ovaj predlog prihvatiti i biti na obostrano zadovoljstvo i korist u otvaranju puteva saradnje, unapred zahvaljujemo.

Temišvar, 9. 01. 2023.

### ***Članovi Komisije za predlog:***

- 1. Akad. prof. dr Miodrag Milin,*
- 2. Akad. prod. Dr Victor Neumann i*
- 3. Akad. prof. dr Grozdanka Gojkov*



## Curriculum vitae Europass



### Informații personale

Name / First name **Bogdanov, Ivan Iuliu**  
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E-mail ivan.bogdanov@upt.ro  
Nationality Romanian  
  
Birthday 13 november 1952, Timișoara.

### Profesional carrier

Period 2016 - 2018  
Position **Vicedean**, Faculty of Eletronics and Telecommunications,  
Politehnica University of Timisoara,Romania

Period 2012 - 2016  
Position **Dean**, Faculty of Eletronics and Telecommunications,  
Politehnica University of Timisoara,Romania

Period 2004 - 2012  
Position **Director** of Applied Electronics Department, Faculty of Eletronics and Telecommunications,  
Politehnica University of Timisoara,Romania

Period 1996- 2004  
Position **Vicedean**, Faculty of Eletronics and Telecommunications,  
Politehnica University of Timisoara,Romania

Period 1999 – 2012  
Position **Director**, Research Center „Institutul Kathrein aof the Timișoara Politehnica University

Period 1997 - today  
Position University Profesor, Politehnica University Timișoara, Faculty of Eletronics and Telecommunications,  
Bd. Vasile Pârvan nr.2., 300223, Timișoara, România

## Education and work experience

Period	1967-1971
Highschool	Liceul „C.D. Loga” Timișoara Special class of mathematics
Period	1971-1976
University	Polithenica University of Timisoara, Faculty of Electrotehnics, Applied Electronics section
Final qualification	Engineer Diploma
Period	1989 -1993
Final qualification	Ph.D. Diploma at Polithenica University of Timisoara
Period	1976 -1980
Position	Engineer „Electrotimiș” Timișoara Enterprises Electronics laboratory Electronics Engineer developing electronic components, circuits and systems engineering, instrumentation, test and control systems, signal processing engineering.
Period	1980-1990
Position	Assistant professor Polithenica University of Timisoara Faculty of Electronics and Telecommunications Lecturing for students: electronic devices, integrated circuits, industrial electronics,microprocessors, microcontrollers, robotics
Period	1990-1994
Position	Lecturer Polithenica University of Timisoara Faculty of Electronics and Telecommunications Lecturing : electronic devices, microprocessors, microcontrollers, robotics
Period	1994 -1997
Position	Associate professor Polithenica University of Timisoara Faculty of Electronics and Telecommunications Lecturing : electronic devices, microprocessors, microcontrollers, robotics.
Period	1997- today
Position	Full Professor, Faculty of Electronics and Telecommunications Lecturing for students and Master students: microprocessors, microcontrollers, robotics, robotics in medicine.
Since	Active Emeritus Professor "POLITEHNICA" University of Timisoara
Deember	
21, 2022	

## Visiting Professor abroad

1. FH Campus02 University of applied Sciences, Graz, Austria. 2022,2023.
2. College of Mobile Communication, Chongqing University of Posts and Telecommunicationn,China P.R.,2018, 2019,2020,2021, 2022.
3. SRH University of Applied Science Heidelberg, Germany, 2022,2021,2000,2019,2018, 2017, 2009.
4. Hochschule Darmstadt,Germany, 2012.
5. Insitut für Industrielle Fertigung u. Fabrikbetrieb, Universität Stuttgart, Germany, 2012, 2009,.
6. Hochschule Rosenheim, Germany, 2012, 2008, 2002,1999.
7. Fraunhofer IPA Stuttgart, Germany, 2009, 2004.
8. Fachhochschule Würzburg, Germany, 2005.
9. Fachhochschule Gelsenkirchen, Germany, 1999.
- 10.Eshed Robotec Ltd., Tel Aviv, Israel, 1994.

## Publications

**12 Books;** Relevant titles:

- „Microprocesorul în comanda acțiunilor electrice” („**The microprocessor in electrical drives control**” - in Romanian; the first book in the field in Romania), “Facla” Publisher Timișoara, Romania, 1989, ISBN 973-36-0030-x; 9 universities followed my book as source of info;
- „Conducerea cu calculatorul a acțiunilor electrice”, (“**Computer control of electrical drives**”- in Romanian;), Ivan Bogdanov, „Orizonturi universitare” Publisher, Timișoara, 2004, ISBN 973 – 638-112-9;
- “**HCS12X Microcontrollers**”, Bogdanov Ivan, & co, - in English, “Orizonturi Universitare” Publisher Timișoara, ISBN 978-973-638-419-6;
- „Conducerea roboților” („Robots control” - in Romanian;), Orizonturi universitare, 2009,2010,ISBN 978-973-638-419-6.

## Publications

Over 60 articles; 13 articles ISI Transactions & Proceedings. Some relevant titles:

V. Tîponuț, Daniel Ianchis, Zoltan Haraszi, Daniel Basch, Mihai-Emmanuel Basch, Ivan Bogdanov, **Work Directions and New Directions in Electronic Travel Aids for Blind and Vissually Impared People** WSEAS TRANSACTIONS ON SYSTEMS Issue 10, Volume 9, October 2010.

Ivan Bogdanov, R.Mîrșu, V. Tîponuț, **New achievements in assisted movement of visuality impaired in outdoor environments**, WSEAS TRANSACTIONS ON CIRCUITS

AND SYSTEMS, Issue 9, Volume 8, September 2009, ISSN:1109-2734, ISI Web of Knowledge & SCOPUS.

Ivan Bogdanov, R.Mîrșu, V. Tîponuț, **Matlab Model for Spiking Neural Networks**, Proceedings of the 13th WSEAS International Conference on Systems, Rhodes, Greece, ISBN: 978-960-474-099-4, ISSN: 1790-5109, July 2009.

I. Lie, V. Tîponuț, Ivan Bogdanov, S. Ionel, C.Căleanu, **Automated Meter ReadingSystem for Heat Costs Allocation** WSEAS TRANSACTIONS ON ELECTRONICS, Issue 2, Volume 8, February, 2009, ISSN: 1109-2734, ISI Web of Knowledge & SCOPUS.

I. Jiveț, A. Brândușescu, Ivan Bogdanov, **Image contrast enhacement using morphological decomposition by reconstruction**, WSEAS TRANSACTIONS ON CIRCUITS AND SYSTEMS,, Issue 8, Volume 7, August 2008, ISSN: 1109-2734, ISI Web of Knowledge & SCOPUS.

G.Pradel, Ivan Bogdanov, C.Căleanu **Methods for Salient Frescoes** Selection Based Mobile, Robots Navigation, Proceedings of the 2006 IEEE International Conference on

Over 40 projects; several examples:

- **„Skill-Based Inspection and Assembly for Reconfigurable Automation System”**

The project was funded by the European Commission 6th Framework Programme. "SIARAS" was a STREP (Specific Targeted Research Project) type project.

“SIARAS” project partners were:

1. Fraunhofer IPA Stuttgart – coordinator;
2. University of Lund, Sweden;
3. "Politehnica" University from Timișoara, Mechatronics and Applied Electronics departments;
4. ABB Automation Technologies, Sweden;
5. Asentics GmbH & Co., Germany ;
6. Sick AG, Germany;
7. Innos Hellas SA, Greece ;
8. Robcon SRL, Timișoara, Romania ;

The contribution of the „Politehnica” University from Timișoara, was in developing the mathematical algorithms for processes, devices and system components skills modelling, Experimental software development and implementation, including installation, commissioning, and conducting presentation and demonstrations at the international fair "Automatica 2008" in Munich, Germany.

*Romanian partners project director - Ivan Bogdanov*

- Leonardo da Vinci: **"Development of flexible learning methods, for adapting the training offers to the requirements of employers and companies in the electronics and telecommunications field "** RO/99/2/011079/PI/II.1.1.c / FPC acronym TIMKARS. Project received funding from the Council of Europe in the amount of 226,000 euros. TIMKARS project attended seven partners from Romania, Germany and Austria :

1. University "Politehnica " Timisoara – coordinator.
2. Romkatel SRL Bucharest,
3. eff eff (later Caradon electric) Lugoj,
4. Kathrein Werke KG Rosenheim, Germany,
5. Rohde & Schwarz, Austria.

The project created a continuous training system for qualifying staff in four key qualifications considered peak fields of technology, with high demand in the labor market in all three countries originating the project: Electronist for communications, Electronist for power electronics; Mechatronician, Mechanical worker for industry.

*Project director - Ivan Bogdanov*

- **"Creating and developing an Information and Communication Technology Centre (ICTC)"** signed with the National Institute of Research - Development in Informatics - ICI Bucharest, with funding from the Ministry of Education, PNCDI, INFOSOC national program (Informational Society), in value of 330,000 RON. The project was extensive and was developed to create conditions to provide a wide range of services: training, consulting, production or documentary information. A pilot project was conducted by implementing specific structures, equipment, tools and software resources for remotely related activities and the network respectively.

*Project director - Ivan Bogdanov.*

	<ul style="list-style-type: none"> <li>• <b>"Vision 2030 Timișoara"</b> unitary and sustainable development concept for the infrastructure of Timișoara, which configures the city until 2030. The main key concepts of the project were: to create a general concept about the long-term development of Timisoara and its suburban area, monitoring and traffic flow, creating a traffic and public transport management system respectively. Fraunhofer experts have led the entire project, coordinating the development of the concept. The project was divided into five domains: roads, public transport, railway, airport and urban development. <i>Management team, Steering Comitee member Ivan Bogdanov</i></li> </ul>
<b>Conferences</b>	<ul style="list-style-type: none"> <li>• Project <b>"Study on the potential of renewable energy in the county Timis"</b> performed by Fraunhofer IPA Stuttgart for Timis County Council. <i>Management team member, Ivan Bogdanov</i></li> </ul> <p><b>Chairman at:</b></p> <ul style="list-style-type: none"> <li>- 2011: at the 15th WSEAS International Conference on CSS'11, Corfu, Greece</li> <li>- 2008: at the 6-th International Robotics Symposium, Salzhausen, Bremen, Germany.</li> <li>- 2006: at the 4-th International Electronics faculty ETc Symposium, Timișoara, Romania.</li> <li>- 2005: at the 4-th International Robotics Symposium, Salzhausen Bremen, Germany.</li> <li>- 2004: at the 8-th National Conference on Robotics, Timișoara, Romania.</li> </ul>
<b>Memberships</b>	<p><b>Papers referent;</b></p> <ul style="list-style-type: none"> <li>- 2006: at Autonomous Systems, OPTIM 06 Conference, Robotics section, Brașov, Romania.</li> </ul> <p>2008 – today: member of the „Politehnica” Foundation - promoting the prestige and image of "Politehnica" University of Timisoara and developing educational, scientific, cultural and sport performances: <b>President</b> since 2013;</p> <p>2000 – 2022 : President of Timișoara branch of Romanian Robotics Society, affiliated to the International Robotics Federation, Stockholm, Sweden;</p> <p>1999 - today: IEEE Member (The Institute of Electrical and Electronics Engineers);</p> <p>1998 - present: AIET Member (The Association of Electronic Engineers of Timisoara);</p> <p>1996 – today: founding member of the “ Academic Horizons” cultural &amp; scientific Association;</p> <p>2002 – today: member of the German Banat Business Club ( Wirtschaftsclub Banat).</p>
Organisational / managerial skills	<p>Persuasion, capacity to set, to organize, to decide, to order, to systemize, to arrange as Department Director, Dean, Vicedean and as president of several structures; President of Timișoara branch of Romanian Robotics Society, affiliated to the International Robotics Federation, Stockholm, Sweden, since 2000; President of „Politehnica” Foundation, since 2013; Polyglot, good negotiator, international and multinational cooperation experience, as Research Institute Director; Director of the „Kathrein Institute of PUT” Reseach Center, 1999 - 2012.</p>
Computer skills	Good command of Microsoft Office™ tools
Other skills	Job-related skills, Speech, lecturing, oration, harangue as Professor, persuasion, capacity to set, to organize, to decide, to order, to systemize, to arrange as Department director, Dean, Vicedean.

Competence in history, personal hobby since 50 years., 1 paper published.  
Whatching sports, personal hobby

Driving licence

Driving licence category B

## Communication skills

Mother languages: **Romanian, Hungarian**

Foreifn known languages

Selfevaluation <i>euopean level(*)</i>	Understanding		Speaking		Writing
	Listening	Reading	Conversation	Oral speech	Experienced
<b>English</b>	C2	C2	C2	C2	C2
<b>Hungarian</b>	C2	C2	C2	C2	C2
<b>French</b>	C1	C1	C1	C1	C1
<b>German</b>	B2	B2	B2	B2	B2
<b>Serbian</b>	B1	B1	B1	A2	A2
<b>Spanish</b>	B2	C1	B1	A2	C1
<b>Italian</b>	B2	B2	B1	A1	B2
<b>Bulgarian</b>	A1	A2	A1	A1	A2
<b>Russian</b>	A1	A1	A1	A1	A1
<b>Chesh</b>	A1	A2	A1	A1	A2
<b>Slovak</b>	A2	A2	A1	C1	C1

(\*) [Nivelul Cadrului European Comun de Referință Pentru Limbi Străine](#)

