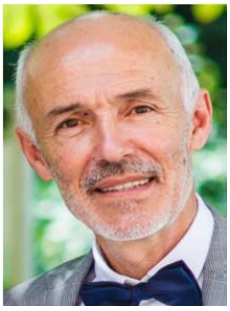
PERSONAL INFORMATION

Prof. Marin Marinov



marin.marinov@epubg.eu, mmarinov@ecad.tu-sofia.bg

www.epubg.eu, www.tu-sofia.bg

Date of birth 23/08/1948 | Nationality Bulgarian

WORK EXPERIENCE

1979	Research Associate at Institute for Instrument Design - Sofia
1984	Senior Research Associate at Institute for Instrument Design– Sofia
1996	Design Manager in Innovative Microsystems semiconductor company – Sofia
1999	Sales Director in Silway Semiconductors - Sofia
2000-2006	Managing Director of Fabless semiconductor company – Sofia
2006 – 2015	Associate Professor in Technical University – Sofia
2007 – to 2019	President of ARFID Ltd. – Sofia
2013	Full Professor at European Polytechnical University - Pernik
2015-2016	Vice-rector of European Polytechnical University – Pernik
2016 - to recently	a.a.Rector of European Polytechnical University - Pernik

EDUCATION AND TRAINING

1972	Master of Scince from Moscow Institute of Railway Engineering, Russia, Faculty of Automation and Computer Science
1978	Ph.D from Moscow Institute of Energy, Russia, Faculty of Computer Science
1984	Fellowship at Tsukuba University, Japan

Mother tongue(s) bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	C1	C1	B2
	Diploma				
Russian	C2	C2	C2	C2	C2
	Diploma				

Job-related interests Informational models of computing, artificial intelligence, computing architectures, ASIC design, RFID, embedded systems for Internet of Things

PUBLICATIONS:

BOOKS:

T.Stefanov, E.Deprettere, H.Nikolov, M.Marinov, A. Popov. Embedded Systems: components, modelling and case studies. TU-Sofia, 2012 (in English)
M.Marinov. Digital Microelectronics. EPU edition, 2012 (in English)
M.Marinov. Information theory of discrete computing systems, BAS“M.Drinov”edition, 2013
M.Marinov. Microprocessor basics manual. EPU edition, 2013 (in English)
M.Marinov. Artificial Intelligence. EPU edition , 2020 (in English)

PAPERS:

D.Dimitrov, M.Marinov. On the representation of Kahn process networks by Generalized nets. 6-th IEEE International Conference on Intelligent Systems, Sept.2012. Sofia.
M.Marinov. Elements of informational theory of digital computing. Proceedings of the International Conference on Information Technologies (InfoTech-2012) September 20-21, 2012, Bulgaria
M.Marinov. Shannon Approach to Intuitionistic Fuzzy Information Definition. Notes on IFS. Proceedings of the Eight Workshop on Intuitionistic Fuzzy Sets, Slovakia, 2012, vol.18, number 4.
K.Manchikov,M.Marinov. Energy – effective programming. International Conference ESI’13, Pernik, Bulgaria, June 2013
M.Marinov. Entropy balance of the digital computing process. Annual of Informatics Section of the Union of Scientists of Bulgaria, vol.6, 2013
M.Marinov. Information decomposition of intuitionistic fuzzy digital processes.
XII International Conference on Intuitionistic Fuzzy Sets and Generalized Nets, Warsaw, Poland, Oct. 2013.
M.Marinov. RFID-based wireless sensor networks. 5-th ESI 2015, Pernik
M.Marinov. RFID sensor transponder for Internet of Things. 6-th ESI 2016, Pernik
M.Marinov, M.Kokorska, R.Roumian. Contribution of the Internet of Things Technologies to the World Heritage Conservation and Management. Presentation at XV International Forum 'Le Vie dei Mercanti World Heritage and Disaster, Naples-Capri, 2017
M.Marinov, V.Lazarov. Intuitionistic fuzzy robot motion control , BAS Problems of Engineering Cybernetics and Robotics, 69, 2018 p.40-51
M.Marinov, M.Kokorska. Artificial Intelligence and Internet of Things to preserve the Cultural Heritage. Presentation at XV International Forum 'Le Vie dei Mercanti World Heritage and Disaster, Naples-Capri, 2018
M.Marinov, G.Goranov. A comparison between intuitionistic fuzzy and neural network, based robot control. 8-th ESI 2018, Pernik.
L.Bogdanov , S. Polstra , P. Yakimov and M. Marinov DAEDALED: A GUI Tool for the Optimization of Smart City LED Street lighting Networks . Proc. XXVII International Scientific Conference Electronics - ET2018, September 13 - 15, 2018, Sozopol, Bulgaria (IEEE CONFERENCE RECORD #44934)
Kokorska M.Marinov M. Influence of the smart home technologies on the interior design principals Proceedings of XV IInternational Forum 'Le Vie dei Mercanti World Heritage and Legacy, Naples-Capri, June 2019, p.160-165.
Nayden Chivarov, Marin Marinov, Vladimir Lazarov, Denis Chikurtev, Gorin Goranov, Wearable Internet of Things to Trigger the Actions of a Tele-Controlled Service Robot for Increasing the Quality of Life of Elderly and Disabled – ROBCO 19, 17th International Conference on Emerging eLearning Technologies and Applications, November 21 – 22, 2019 The High Tatras, SLOVAKIA

Chivarov, N, Chikurtev, D, Marinov, M, Lazarov, V, Konstantinov, M, Shivarov, N, Rangeliv, I, Yovchev, K, Markov, E, Gigov, A.; Overview of Technologies for Navigation, Computer Vision and Artificial Intelligence Used in Tele-Controlled Service Robots to Support Elderly and Disabled; International Conference Robotics, Automation and Mechatronics 2020, Prof. Marin Drinov Academic Publishing House, p: 45- 51: 2020, ISSN:1314-4634

Chikurtev, D, Chivarov, N, Rangelov, I, Marinov, M, Lazarov, V; Application of Bluetooth Communication Technologies for Robotics and IoT; International Conference Robotics, Automation and Mechatronics 2020, Prof. Marin Drinov Academic Publishing House, pp. 52-56: 2020, ISSN:1314-4634

PATENTS:

4 patents and 4 utility models (last 5 years)
- Smart Protection Mask – 2020
- Device for Contactless and Energy-passive control of automotive air bag -2019
- Electronic transponder for protection of fake precious metals - 2017
- Electronic transponder for forgery protection - 2016

PROJECTS:

- Soil sensor probe – R&D project with YII –Clermont Ferand, France, 2018-2019
- Telecontrolled Service Robots for Increasing the Quality of Life of Elderly and Disabled People, DN 07/23, 15.12. 2016- 2019, BG NSF
- COSMOS - a project granted by TETRACOM/FP7 grant 609491 - 2016
- DedaLED – a project granted by TETRACOM/FP7 grant 609491 - 2015
- Integrated circuit for Contactless identification (Joint project with RAFID – Taiwan)

- RFID chip with programmable ID (Joint-project with MEM-Microelectronica)
- Contactless magneto-resistive sensor (Project supported by National Research Fund)
- Multiprocessor on a chip Laboratory (Foundation Daedalus – Netherland) in TU-Sofia
- RFID Laboratory (with NXP) in EPU – Pernik
- Microprocessor Laboratory (with Zilog/IXYS) in EPU – Pernik

MEMBERSHIPS

Member of the Bulgarian Union of Scientists
Member of HiPEAC
Member of the IEEE CRFID
EU Commission registered expert EX2015D231850

REFERENCES

Acad. Prof. K.Boyanov, Bulgarian Academy of Sciences – boyanov@acad.bg
Acad. Prof. K.Atanassov, Bulgarian Academy of Science – krat@bas.bg
Prof. E. Deprettere, Leiden University – Netherlands e.f.a.deprettere@liacs.leidenuniv.nl
Prof. G.Saccone – University Pegaso – Italy - giuseppe.saccone@unipegaso.it

30.03.2021 M.Marinov