

naši autori



Mohammad Shams Esfand Abadi was born in Tehran, Iran, on September 18, 1978. He received the B.S. degree in electrical engineering from Mazandaran University, Mazandaran, Iran and the M.S. degree in electrical engineering from Tarbiat Modares University, Tehran, Iran, in 2000 and 2002, respectively. He is presently working towards the PhD degree in electrical engineering at

the Tarbiat Modares University. Since 2004 he has been with the department of electrical engineering, Shahid Rajaee University, Tehran, Iran. During the fall of 2003 and spring of 2005 he has been a visiting scholar with the Signal Processing Group at the University of Stavanger in Norway. His research interests include digital filter theory and adaptive signal processing algorithms.



Andrea Alú received the Laurea and MS degree in Electronics Engineering (summa cum laude) from the University of Roma Tre, Italy, respectively in 2001 and 2003. He is currently working toward the PhD at the same institution. Since 2002 he has been a visiting graduate student at the University of Pennsylvania, U.S.A., where he is involved in some research projects on metamaterials. He is the co-author of more than 70 peer-reviewed works

and he is the recipient of some national and international awards related to his scientific work. His current research interests are in the areas of microwave applications of metamaterials, integrated planar and conformal circuits and antennas, and in numerical methods for electromagnetics.



Mladen Antunović was born in Osijek, Croatia, in 1977. He received his Bachelor of Science in Electrical Engineering in 2001. in Faculty of Electrical Engineering in Osijek. He works at the same faculty since 2001 as a research assistant. His research interests include control of nonlinear systems, electrical drives, artificial intelligence, neural networks, biomedical electronics. During 2003 he spent three months at Electrical

and Computer Engineering Department, Duke University, Durham, North Carolina under supervision of professor Steven A. Cumer. In 2005 he received Faculty of Electrical Engineering Award as an outstanding young researcher.



Filiberto Bilotti received the Laurea degree (summa cum laude) and the PhD degree both in Electronic Engineering from the University of Roma Tre, Rome, Italy, in 1998 and 2002, respectively. Since 2002 he is Assistant Professor of Electromagnetic Field Theory at the Department of Applied Electronics of the University of Roma Tre, Rome, Italy. His interest areas are in microwave planar and conformal structures, in complex materials and metamaterials

for microwave applications, in numerical methods for an efficient solution of electromagnetic problems, and in artificial engineered surfaces for antenna applications. Dr. F. Bilotti is the co-author of more than 120 peer-reviewed works and is involved in both coordinating and consulting activities in several national and international projects on antennas and innovative material technology. He is also member of the IEEE and an active reviewer of the major international conferences and journals in the field of antennas and materials.



Sašo Blažič received the B.Sc., M. Sc., and PhD degrees in 1996, 1999, and 2002, respectively, from the Faculty of Electrical Engineering, University of Ljubljana. Currently, he is Assistant Professor at the same faculty. His main interests include adaptive, predictive and fuzzy control with a stress on the robustness issues of adaptive control.



Gianfranco Chicco graduated in Electrical Engineering at the Politecnico di Torino (PdT), Torino, Italy, in 1987. In 1992 he received the PhD degree in Electrotechnical Engineering in Italy. In November 1995 he joined the PdT, where he is currently Associate Professor of Electric Distribution Systems. His current fields of activity include power system and distribution system analysis,

competitive electricity markets, power quality, artificial intelligence applications and load management. He is member of IEEE and AEIT, and referee of IEEE Transactions, IEEE Proceedings and other scientific journals.



Steven A. Cummer received his Bachelor of Science in Electrical Engineering in 1991, Master's of Electrical Engineering in 1993, and PhD degree in Electrical Engineering in 1997, all in Stanford University, Stanford, California. He spent 2 years in NASA Goddard Space Flight Center, Greenbelt, Maryland as a National Research Council Postdoctoral Research Associate where he performed research in fields of electromagnetic

propagation, inverse methods, auroral electrodynamics and imaging, image restoration, electromagnetic sensors, and numerical electromagnetics. From 1999 he works as an Assistant Professor, Electrical and Computer Engineering Department, Duke University, Durham, North Carolina. Ongoing research include lightning remote sensing, upper atmospheric and space remote sensing, complex electromagnetic materials, and numerical electromagnetics.



Gregor Dolanc has received his PhD in electrical engineering at the University of Ljubljana, Faculty of Electrical Engineering in 2000. He is currently employed as a researcher at the Jozef Stefan Institute, Department of Systems and Control in Ljubljana, Slovenija. His research interest is focused on the design of advanced computer based control algorithms and their implementation in industrial practice. He has been involved in many industrial applied

research and also turn-key projects of automatic control in various branches of industry (machine building and integration, metal industry, chemical industry, brick and tile industry) and he has also been participating in several projects financed by European commission. He is an author and co-author of several scientific papers from the field of advanced model based control.



Karen Egiazarian (PhD Moscow M.V. Lomonosov State University, Russia, and D.Tech., Tampere University of Technology, Finland) is a leading scientist in signal, image and video processing, with about 300 refereed journal and conference articles, three book chapters and a book published by Marcel Dekker, Inc. His main interests are in the field of multirate signal processing, efficient algorithms, image and video de-noising and compression,

and digital logic. He is an Associate Editor of SPIE Journal of Electronic Imaging, Senior Member of IEEE and a member of the DSP Technical Committee of the IEEE Circuits and Systems Society.



Gorislav Erceg received his BSEE, MSEE and PhD degrees from University of Zagreb, Faculty of Electrical Engineering and Computing in 1967, 1975 and 1996, respectively. In 1966 at the Faculty of Electrical Engineering and Computing, Zagreb, Croatia he started as an assistant of Fundamentals of Electrical Engineering. He works today at the Department of Electric Machines, Drives and Automation and as a Professor he teaches undergraduate

and graduate students. Also, Mr. Erceg is a project leader of several industrial and government projects. He authored numerous technical papers and studies in Control Engineering field, and is a member of IEEE Industrial Electronics Society, IEEE Power Society, KoREMA Society and Croatian Electric Engineering Society.



Paolo Focardi received the Doctor Degree in Electronic Engineering and the PhD in Computer Science and Telecommunication Engineering from the University of Florence, Italy, in 1998 and 2002 respectively. From 1999 to 2000 he took part to the final operative phases of the Shuttle Radar Topography Mission (SRTM). In 2001 he spent seven months at Jet Propulsion Laboratory, California Institute of Technology, working at the development of Hot

Electron Bolometer mixers for astronomical observations at THz frequencies. In 2002, after the completion of his PhD, he joined again the staff of Jet Propulsion Laboratory as a Post-Doc. The same year he won the MECSA award for the best paper presented at RiNEm conference. He is currently at Jet Propulsion Laboratory where he has a Staff position since 2004. His research is focused on analytical and numerical methods in electromagnetics.



Samo Gerškšč received his PhD in Electrical Engineering at the University in Ljubljana in 2000. His thesis was entitled »Disturbance rejection in predictive control«. He is with Dept. of Systems Science, Jozef Stefan Institute, since 1995. His research interests include predictive control, nonlinear control and process modelling.



Mincho Hadjiski was born in Sofia, Bulgaria in 1938. He received MS degree in mechanical engineering from the Technical University of Sofia in 1962, PhD from Moscow Power Institute – Russia 1966 and Dr.Sc. from University of Chemical Technology and Metallurgy of Sofia in 1979. From 1966 to 1972 he was a Senior Lecturer and Associate Professor in Technical University –

Varna, Bulgaria. In 1973 he joined the University of Chemical Technology and Metallurgy, where he is a Professor of Process control. He is the author of more than 200 papers and he has written ten books. His research interests include analytical modeling of heat and mass transfer processes, process control, model based control, inference control, soft-sensing, intelligent control, multiagent based control, hybrid modeling and control. Prof. Hadjiski has served as Chairman, co-chairman and Member of IPC and NOC of a number of International and National conferences. In 2004 he was elected as a Corresponding member of Bulgarian Academy of Sciences.



Heba A. Hassan received the B.Sc. in electrical power engineering (with the first class Honours – Distinction) and M.Sc. degrees from Cairo University, Egypt, in 1995 and 1999, respectively. She received her PhD degree in electrical engineering from the University of Ulster, Northern Ireland, U.K, in 2004. She worked as a Teaching and Research Assistant at Cairo University from 1995 to 1998. From 1998 to 1999, she was an Academic Visitor at the Department of Electrical and Electronic Engineering, Imperial College, London, U.K. During the period of 2001 to 2004, she worked as a teaching assistant at the University of Ulster. She is a member of IEEE, IEE, PES, and WIE. Currently, she is a lecturer at electrical power and machines department, Cairo University, Egypt. Her research interests include power system stability and control, FACTS modelling and applications, and robust adaptive control.

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John Håkon Husøy was born in Toronto, Ontario, Canada, in 1956. He received the M.Sc. and PhD in electrical engineering in 1981 and 1991, respectively, from the Norwegian Institute of Technology, University of Trondheim, Trondheim, Norway. He has been involved in hardware and software development in various positions in several companies. Since 1992 he has been a Professor with the Department of Electrical and Computer Engineering, University of Stavanger, Norway. His research interests include adaptive algorithms, digital filtering, signal representations, image compression, bioelectrical signal processing, and image analysis.

ing, University of Stavanger, Norway. His research interests include adaptive algorithms, digital filtering, signal representations, image compression, bioelectrical signal processing, and image analysis.



Tomislav Idzotic received his BSEE, MSEE and PhD degrees from University of Zagreb, Faculty of Electrical Engineering and Computing in 1994, 1999 and 2003, respectively. He is presently a assistant on the Faculty of electrical engineering and computing, Department of Electric Machines, Drives and Automation. His research interests include intelligent systems based on digital signal processing and industrial automation. He authored numerous technical papers and studies in Control Engineering field.

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Edouard Ivanjko was born in Dudelange, Luksemburg in 1977. He received the B.Sc. degree from the University of Zagreb in 2001. Upon graduation he joined the Department of Control and Computer Engineering of the Faculty of Electrical Engineering and Computing, University of Zagreb, where he now works towards his PhD. His main research interests are in the fields of mobile robotics, especially mobile robot localization and map building. Until now, he published 9 scientific papers in the proceedings of international conferences.



Georgi Iliev received the MEng degree in Telecommunications from Technical University of Sofia, Bulgaria in 1990 and PhD degree in Adaptive Signal Processing from the same university in 1996. He has been with the Department of Telecommunications, Technical University of Sofia since 1993 as an Assistant Professor, and since 2003 as an Associate Professor. His interests are in signal processing, adaptive systems and algorithms, and noise cancellation. He has been working on systems for speech recognition in noisy environments, adaptive equalization for communication channels, and development of new computationally efficient adaptive algorithms.



Lucio Ippolito (M'2000) was born in Salerno, Italy, on January 12, 1966. He got the MSc. degree in Electronic Engineering from the University of Salerno. In 1998 he received the PhD degree at the University of Napoli in Electrical Engineering. Since 2001 he is associate professor in Electric Power System at the Department of Engineering of University of Salerno. Since 2000 he is Member IEEE. His research activities lie in the areas of power system protection and measurement; fuzzy and expert system applications in power engineering; and energy management. He has published over 100 technical papers.



Željko Jakopović was born in Zagreb, Croatia, in 1959. He received his B.S.E.E., M.S.E.E. and Ph.D.E.E. degree from Faculty of Electrical Engineering and Computing, University of Zagreb, in 1981, 1992 and 1997, respectively. He is currently associate professor at the Faculty of Electrical Engineering and Computing, University of Zagreb. His areas of interest are modelling and simulation in power electronics, active power factor correction and converters control techniques as well as introduction of modern power electronics education methods. He has been author and coauthor of many papers published in journals and presented at the national and international conferences. He is the member of Korema and IEEE (PEL, IA).

power factor correction and converters control techniques as well as introduction of modern power electronics education methods. He has been author and coauthor of many papers published in journals and presented at the national and international conferences. He is the member of Korema and IEEE (PEL, IA).



Manos P. Karaboikis was born in Athens, Greece on November 5, 1974. He received his electrical engineering diploma from the University of Patras, Greece, in 1999. He is currently a postgraduate student at the Laboratory of Electromagnetics, Department of Electrical and Computer Engineering of the University of Patras. His research interests include numerical solutions to electromagnetic radiation and scattering problems, printed antennas and diversity antenna systems. Dipl. M. Karaboikis is a member of the Technical Chamber of Greece.



Tomislav Kilić rođen je 29. listopada 1961. godine u Ričicama. Diplomirao je na Fakultetu elektrotehnike, strojarstva i brodogradnje u Splitu 1986. godine. Magisterij znanosti stekao je 1996. na Fakultetu, elektrotehnike i računarstva u Zagrebu, a doktorat znanosti 2001. godine na Fakultetu elektrotehnike, strojarstva i brodogradnje u Splitu. Nakon što je diplomirao zaposlio se u RIZ-u, gdje je proveo 18 mjeseci, kao razvojni inženjer na poslovima razvoja elek-

tronskih vaga i automatizaciji proizvodnih procesa. Nakon toga zaposlen je na Fakultetu elektrotehnike, strojarstva i brodogradnje – Sveučilišta u Splitu, gdje je i danas uposlen kao docent na katedri za *Osnove elektrotehnike* i *Električna mjerenja*. Nakon magisterija 3 je mjeseca proveo na stručnom usavršavanju u tvrtki GEM SYSTEMS, Toronto, Kanada radeći na razvoju instrumentarija za mjerenje slabih magnetskih polja. Autor i koautor je preko 100 znanstvenih i stručnih radova. Znanstveno-istraživačka i stručna djelatnost mu je vezana uz problematiku kakvoće električne energije te mjerenja i analizu signala u elektroenergetskim sustavima.



Gyula Knercz received his BSEE degree in the field of Electrical Machines at Kandó Kálmán Polytechnic in 1993. He specialized in Automatics (1994). He teaches in the fields of robotics and mechatronics at Kandó Kálmán Faculty of Electrical Engineering of Budapest Polytechnic. He researches in the areas of servo- and microcomputer controlled drives, computer (DSP) controlled measuring systems, and

robot control. He is currently working on a neural network based control of induction motors.



Fetah Kolonić (1956) received his Ph.D.E.E. in 1997, M.S.E.E. in 1990 and B.S.E.E. in 1980 at the University of Zagreb, Croatia. He is currently assistant professor at the Faculty of Electrical Engineering and Computing, University of Zagreb. His areas of interest are control of electrical drives and power converters, optimal and robust control of

industrial systems and integration structure in complex mechatronic systems. As a principal investigator and project leader he has been conducting several projects funded by international and Croatian industry as well as by the Croatian government. His teaching and research include application of advanced control techniques in industrial applied systems. He has been coauthor of many papers published in journals and presented at the national and international conferences. He is the member of Korema and IEEE (Robotics and Automation Society).



Péter Korondi received Dipl. Eng. and PhD degrees in electrical engineering from the Technical University of Budapest in 1984 and 1995, respectively. His research interests include tele-manipulation and motion control. He published more than 100 papers. Since 1986, he has been at the Technical University of Budapest (the name of University was changed to Budapest University of Technology and Economics in 2000). He teaches Motion Control,

Robot control, Power Electronics. He worked for 2 years in the laboratory of Professor Harashima and Professor Hashimoto at the Institute of Industrial Science at the University of Tokyo from April of 1993 to April of 1995. His cooperation did not end upon his return to Hungary. He is in daily contact with his Japanese colleagues through the internet. He spends a month in Tokyo each year to continue their joint research. As a result of this cooperation, the Intelligent Integrated System Japanese-Hungarian Joint Laboratory was founded in 2001. He is a founding member of the International PEMC Council as well, which became a chapter of the European Power Electronic Association.



Nikša Kovač was born in Split, Croatia, on December 28, 1968. He received the PhD degree from University of Split, Croatia. Dr. Kovač is Assistant Professor of Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split. His research efforts are concentrated in the area of numerical analysis related with the underground cables and thermal effects of human exposure to electromagnetic fields, as well.



Tomáš Kratochvíl was born in Brno, in 1976. He received the M.Sc. degree in electronics and telecommunications from Brno University of Technology in 1999. From 1999 he is a PhD student at Institute of Radio Electronics, from 2001 employed as an assistant professor at the same place. His research interests include digital television and video technique area, modeling of the transmission through the transmission channel models, real time video capturing and application of modern compression methods on DSP, video codec design. He is IEEE member.



Dino Kunjašić, M.Sc.E.E., (1963) received his M.S.E.E. in 1992 and B.S.E.E. in 1986 at the University of Zagreb, Croatia. From 1986 to 1992 he worked as assistant in Faculty of electrical engineering and computing (Department of electrical machines, drives and automation) and from 1992 as designer, project manager and commissioning engineer of industrial automation systems. He is particularly interested

and experienced in the field of complex and high demand variable speed drives in steel rolling mills.



Vassilios T. Makios (M'67-SM'83) was born in Kavala, Greece. He received his electrical engineering degree (Dipl. Ing.) from the Technical University in Munich, Germany in 1962 and the PhD (Dr. Ing.) from the Max Planck Institute for Plasma-physics and the Technical University in Munich in 1966. From 1962-67 he was Research Associate in the Max Planck Institute for Plasma-physics in Munich involved with microwave interaction studies on

plasmas. He served as Assistant Professor 1967-70, Associate Professor 1970-73 and Professor 1973-77 in the Department of Electronics, Carleton University in Ottawa, Canada, where he was involved with teaching and research in microwave and optical communications, radar technology, remote sensing and CO₂ laser development. From 1976 he is Professor of engineering and Director of the Electromagnetics Laboratory in the Electrical and Computer Engineering Department of the University of Patras in Greece, where he is involved in teaching and research in microwave and optical communications, antenna design, data communications networks with emphasis on hardware implementation and photovoltaic systems. Prof. Makios is a member of the Canadian Association of Physicists, the German Physical Society, the German Electrical Engineering Society (VDE), Professional Engineer of the Province of Ontario and the Greek Technical Chamber. He has participated in the organizing committees of numerous IEEE and European Conferences and was the Technical Program Chairman of the 5th Photovoltaic European Community Conference in Athens 1983 and Co Chairman of the EURINFO 1988 Conference of the European Community. From 1977 he is an honorary Research Professor of Carleton University. He is the recipient of the silver medal (1984) and the golden medal (1999) of the German Electrical Engineering Society.



William R. McGrath received his B.S. Degree in Physics from the Massachusetts Institute of Technology in 1978, and the M.A. and PhD Degrees in Physics from the University of California, Berkeley in 1981 and 1985 respectively. His research for the last 20 years has focused primarily on superconductive detectors and circuits. This research has involved the development of ultra-low noise SIS and HEB mixers at frequencies up to

2.5 THz. He is currently a Senior Research Scientist and Group Supervisor at the Jet Propulsion Laboratory, California Institute of Technology. He heads a research group which

develops superconductive hot-electron bolometer mixers and direct detectors for terahertz remote-sensing applications. He has authored or co-authored over 170 publications in this field.



Tamás Mező received his MSC degree in Mechanical Engineering at the Budapest University of Technology and Economics in 2000. His research activities include electrical machines in the automation and microcomputer controlled drives. Currently, he develops enterprise information systems optimising corporate resources by highly integrated knowledge-based business processes.



Dr. sc. Stanko Milun rođen je 2. siječnja 1944. godine u Dicmu. Diplomirao na Elektrotehničkom fakultetu u Zagrebu 1966. godine, gdje je stekao i magisterij znanosti 1973. godine te doktorat znanosti 1980. godine. Nakon što je diplomirao radio je u poduzeću *R. Končar - Zagreb, Tvornica električnih uređaja*, a zatim na Fakultetu elektrotehnike, strojarstva i brodogradnje, Sveučilišta u Splitu gdje je i danas uposlen u zvanju redovitog profesora na

grupi predmeta *Električna mjerenja*. Osim temeljnog mjeriteljstva, intenzivno se bavi mjeriteljstvom u elektroprirodi te je autor i koautor više od 150 znanstvenih i stručnih radova i elaborata.



Lóránt Nagy received his MSC degree in Electrical Engineering at the Technical University of Budapest in 1971. He specialized in Industrial Process Control (1975). His dissertation was about computer-aided measurement of Electrical Machines. He has been teaching at Kandó Kálmán Polytechnic (presently at Kandó Kálmán Faculty of Electrical Engineering of Budapest Polytechnic) since 1971. His research activities include electrical machines in the area of automation, servo- and

microcomputer controlled drives, computer (DSP) controlled measuring systems.



Roberto Napoli graduated in Electrotechnical Engineering at the Politecnico di Torino (PdT), Torino, Italy, in 1969. He is Professor of Electric Power Systems and scientific coordinator of the Electric Power Systems staff at the PdT. Former Chairman of the Italian Electric Power Systems National Research Group. His current scientific interests

include energy management, power system planning and control, competitive electricity markets, applications of electronics and computer science to the automation of the electric power distribution. He is member of IEEE, CIGRÉ, IREP, and AEIT.



Andrea Neto received the Doctor Degree (cum laude) from the University of Florence, Italy, and the PhD from the University of Siena, both in Electronic Engineering, in 1994 and 2000 respectively. He spent almost three years in the Antenna Section of the European Space Agency (ESA) Research and Technology Center (ESTEC). In 2000 and 2001 he was with the Sub-millimeter Wave Advanced Technology Group of Jet Propulsion

Laboratory, California Institute of Technology. Since 2002 he is with Integrated Front End Solutions of TNO, Physics and Electronics Laboratory, Den Haag, The Netherlands. His research is focused on analytical and numerical methods in electromagnetism, with emphasis on the analysis of large arrays and integrated circuit and antennas.



Dragan Poljak received his BSc in 1990, his MSc in 1994 and PhD in 1996 from the University of Split, Croatia. Since 2001 he has been an Associate Professor at the Department of Electronics at the University of Split, and he is also Adjunct Associate Professor at Wessex Institute of Technology. His research interests include frequency and time domain computational methods in electromagnetics, particularly in the numerical modelling of wire anten-

na structures, and recently numerical modelling applied to environmental aspects of electromagnetic fields. To date Professor Poljak has published nearly 150 journal and conference papers in the area of computational electromagnetics, three authored books and one edited book, by WIT Press, Southampton-Boston. Professor Poljak is a member of IEEE, a member of the Editorial Board of the journal Engineering Analysis with Boundary Elements, and co-chairman of the WIT International Conference on Computational Methods in Electrical Engineering and Electromagnetics. He is also editor of the WIT Press Series Advances in Electrical Engineering and Electromagnetics. Recently, professor Poljak was awarded by the National Prize for Science.



Sándor Peresztegi received Dipl. Engineering Degree in electrical engineering from the Technical University of Budapest in 1976. He has dealt with electric motor design and technology. His main field is the Permanent Magnet (PM) electric motors. He has designed axial field PM DC motors, PM DC brushless motors and PM generators. He is a Laboratory leader at A.O. Smith Hungary Ltd.



Goran Petrović diplomirao je 1996. i magistrirao 2002. godine na Fakultetu elektrotehnike, strojarstva i brodogradnje Sveučilišta u Splitu. Radi kao asistent znanstveni novak na katedri za *Osnove elektrotehnike i električna mjerenja*. U znanstveno istraživačkom radu bavi se mjerenjima u elektroenergetskom sustavu, te modeliranjem i dijagnostikom rotacijskih električnih strojeva i transformatora.



Ivan Petrović (1961., Klobuk, Ljubuški, BiH). Upon graduation from high-school in 1979, he enrolled Faculty of electrical engineering in Zagreb, where he received bachelor degree in 1983, master degree in 1989 and doctoral degree in 1998. He received »Prof. dr. V. Bedjanić« prize for his master thesis (Ljubljana, 1990) and »Josip Lončar« silver plate for his doctor dissertation (Zagreb, 1998). From 1985 to 1994 he was with the Institute of Electrical

Engineering of Končar Corporation in Zagreb. Since 1994 he has been employed at the Faculty of Electrical Engineering and Computing, University of Zagreb, where he is currently associate professor at Department of Control and Computer Engineering. He teaches a number of undergraduate and graduate courses in the field of control systems and mobile robotics. His research interests include various advanced control strategies and their applications to control of complex systems and mobile robots navigation. He is author or co-author of 12 journal papers and more than 70 conference papers. He has actively participated as collaborator or principal investigator in twentieth domestic research and development projects, which were financially supported by state institutions as well as by commercial companies, and in 4 international projects. Results of his research effort have been implemented in several industrial products. He is a member of several professional associations: IEEE, KoREMA, IFAC – TC on Optimal Control and TC on Autonomous Vehicles. He is collaborating member of the Croatian Academy of Engineering.



M. P.R.V. Rao received the B. E in Electrical and Electronic Engineering (with first class) from Annamalai University, Tamilnadu, India in 1973. He received M. Tech. in Aeronautical Engineering (Control and Guidance) in 1975 and PhD in Aeronautical Engineering (Adaptive Systems) in 1981 from Indian Institute of Technology, Bombay, India. He worked as a Lecturer in the area of Systems and Control in the Department of Electrical and Electronic Engineering, Birla Institute of Technology and Science, Pilani, Rajasthan, India during 1981-83. Then, He worked as a Visiting Fellow in the Department of Electrical and Electronic Engineering, Queen's University of Belfast, Belfast, Northern Ireland, U.K. during 1983-84. From 1985, he has been a faculty member of the

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Vladimir B. Ryabov was born in Kharkov city, Ukraine, 1964. MS Diploma in Radio Physics from Kharkov state University in 1986. PhD in Radio Physics from the Institute of Radio Astronomy of the National Academy of Science of Ukraine in 1991. Postdoctoral Fellow at the Meteorological Research Institute (Tsukuba, Japan) 1994–1995, Paris-Meudon Astrophysical Observatory (Meudon, France) 1996–1997, Kobe University (Kobe, Japan) 1998–

1999. Since 2000 Associate Professor, and since 2004 Full Professor, at the Department of Complex Systems, Future University-Hakodate, Japan. Scientific interests include nonlinear dynamics, chaos and bifurcations, nonlinear oscillators, circuits theory, fractal dimension analysis, statistical methods, signal analysis and applications of chaos theory in geophysics and astrophysics.



Igor Škrjanc received the B.Sc., the M.Sc. and the PhD degrees in electrical engineering, in 1988, 1991 and 1996, respectively, from the Faculty of Electrical and Computer Engineering, University of Ljubljana, Slovenia. He is currently Assistant Professor on the same faculty. His main research interests are in adaptive, predictive, fuzzy and fuzzy adaptive control systems what was also the title of his Ph.D. thesis.



Constantine F. Soras (M'01) was born in Patras, Greece. He received both his diploma and PhD in electrical engineering from the University of Patras, Patras, Greece, in 1981 and 1989 respectively. From 1982 to 1989 he was a Research Associate in the Electrical and Computer Engineering department of the University of Patras, involved with photovoltaic systems performance modelling. In 1990 he served the Greek Air Forces. He was a Lecturer in the Laboratory of Electromagnetics of the Electrical and Computer Engineering department of the University of Patras in Greece from 1991 to 2001, where currently serves as an Assistant Professor. He is teaching the basic electromagnetic courses and at the senior undergraduate/graduate level computational electromagnetics. His current research interests focus on computational electromagnetics, printed antennas miniaturization, multiple element antennas for diversity and MIMO terminal devices, indoor radiowave propagation and photovoltaic systems. Prof. Soras is a member of the Applied Computational Electromagnetics Society, the International Solar Energy Society and the Technical Chamber of Greece.



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Filippo Spertino graduated in Electrical Engineering at the Politecnico di Torino (PdT), Torino, Italy, in 1995 and the received the PhD degree in Electrical Engineering at the PdT in 2000. Currently, he is Assistant Professor of Industrial Electrical Systems at the Politecnico di Torino, Italy. His research interests include distributed generation, in particular



engineer in the Data and Knowledge-Engineering Group at the Computer Technology Institute in Athens, Greece (e-mail: stathaki@cti.gr), working on and supervising National and European Union funded Research projects. She is actively involved in R&D in the fields of Computational Intelligence, Knowledge mining, Software-enabled Control and Intelligent Decision Support Systems.

Anna Stathaki received her Diploma in Chemical Engineering from the Department of Chemical Engineering at the University of Thessaloniki, Greece in 1980 and her M.S. in the field of Computer Control of Chemical Processes from the Department of Chemical Engineering at the University of California, Santa Barbara in 1982. Ms Stathaki is a Senior Research



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Stanko Strmčnik was born in Vitanje, Slovenia in 1949. He received his B.Sc., M.Sc., and PhD from the Faculty of Electrical Engineering, University of Ljubljana in 1972, 1975 and 1979 respectively. In 1973 he joined *J. Stefan* Institute in Ljubljana. Since 1986 he has been head of Department of Computer Automation and Control (now Department of Systems and Control) at the same institute. His research interests concern



rious technical papers and studies in Control Engineering field.

Damir Sumina received BSEE and MSEE degrees from the University of Zagreb, Faculty of electrical engineering and computing, Croatia in 2001 and 2005, respectively. He is presently a scientist on the Faculty of electrical engineering and computing, Department of Electric Machines, Drives and Automation. His research interests include industrial automation, DSP systems and intelligent control. He authored nume-



George F. Tsachtsiris was born in Kalamata, Greece on September 16, 1976. He received his diploma in electrical engineering from the University of Patras, Greece, in 1999. He is currently a postgraduate student at the Laboratory of Electromagnetics, Department of Electrical and Computer Engineering of the University of Patras. His research interests include numerical solutions to electromagnetic radiation and scattering problems, printed antennas and antennas of fractal geometry. Dipl. G. Tsachtsiris is a member of the Technical Chamber of Greece. In May 2000 he received the »Award of Excellence in Telecommunications« by Ericsson for his thesis.



Mario Vašak was born in Bjelovar, Croatia in 1980. He received the B.Sc. degree from the University of Zagreb in 2003. Upon graduation he joined the Department of Control and Computer Engineering of the Faculty of Electrical Engineering and Computing, University of Zagreb, where he now works towards his PhD. His main research interests

are in the fields of robust model predictive control, computational geometry and estimation. Until now, he published 6 scientific papers in the proceedings of international conferences.



Lucio Vegni was born in Castiglion Fiorentino, Italy on June 20, 1943 and he received the degree in Electronic Engineering from the University of Rome, Rome, Italy. After a period of work at the Standard Elektrik Lorenz in Stuttgart (Germany) as an antenna designer, he joined the Istituto di Eletttronica of the University of Rome, Italy, and then the University of Rome Tre where he is a Full Professor of Electromagnetic Field Theory. His research interests are on microwave and millimeter-wave circuits and antennas. Prof. L. Vegni is a member of IEEE and of the Italian Electrical and Electronic Society (AEI).