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Guy Beale received the BSEE degree from Virginia Polytechnic Institute in December 1967, the M.S. degree in physics from Lynchburg College in 1974, and the Ph.D. in electrical engineering from the University of Virginia in 1977. From 1968 to 1970 he served as a commissioned officer on active duty in the U.S. Army. Between 1971 and 1981 he was employed by The Babcock & Wilcox Company in Lynchburg, VA. There he was involved in the development and design of automated manufacturing and high precision computer-based inspection systems. From 1981 to 1986 Dr. Beale was at Vanderbilt University as an Assistant Professor of Electrical Engineering. In September 1986 he joined the faculty at George Mason University in Fairfax, Virginia where he is currently an Associate Professor of Electrical and Computer Engineering. His teaching and research interests include the application of advanced control techniques, digital simulation of dynamic systems, and the design of intelligent systems for engineering applications. He was a Visiting Associate Professor at the Faculty of Electrical Engineering and Computing at the University of Zagreb for the 1998/99 academic year. He is co-author of the text *Digital Simulation of Dynamic Systems: A Control Theory Approach*, published by Prentice-Hall, 1994. Dr. Beale is a Senior Member of the IEEE, a member of Eta Kappa Nu and Sigma Xi, and is listed in Who's Who in the South and Southwest, Who's Who in Science and Engineering, American Men and Women of Science, and Who's Who in Technology Today.

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Stjepan Bogdan (1965) received his Ph.D.E.E. in 1999, M.S.E.E. in 1993 and B.S.E.E. in 1990. at the University of Zagreb, Croatia. He was elected as a young researcher and research assistant in 1991 and 1993, respectively. Until June 2002 he worked as a postdoctoral fellow in the research group of prof. dr. Zdenko Kovačić and since then he works as a specialist and researcher within the same group. Recently he has been appointed a visiting assistant professor at the Technical Faculty in Rijeka. His areas of interest are robotics, flexible manufacturing systems (FMS), discrete event systems, intelligent control, adaptive and time optimal control, control of electrical drives. He worked on development and implemenattion of various intelligent, time optimal and adaptive control algorithms. He had significant contributions in the field of design and implementation of selflearning fuzzy logic controllers applied to industrial processes and power converters. He received a Fulbright scholarship for the year 1996/97 and worked as a visitor researcher in the Automation & Robotics Research Institute, University of Texas, Arlington, USA with the research group of prof. dr. Frank L. Lewis. He is a principal investigator and project leader of several projects funded by industry and government. He has been a coauthor of numerous papers published in journals and presented at the national and international conferences. He is the member of KoREMA, Croatian Robotics Society, IEEE (Control Systems Society) and Sigma Xi.

Nikša Burum was born in Dubrovnik, Croatia 1963. He received the B.S. and the M.S. degrees in electrical engineering from Faculty of Electrical and Computing, University of Zagreb, in 1987, and 1999 respectively. He is currently working toward the Ph.D. degree at the same university. He is lecturer at Polytechnic of Dubrovnik.

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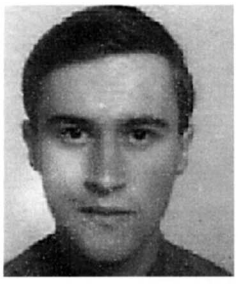
His mainstream research and teaching is in the field of Electrical Machines and Power Electronic Drives. The research includes a number of major projects with technical papers covering Switched Reluctance Drives, Linear Actuators, Position Transducers and Dynamic Control of Induction Motors. He was a member of the team internationally known for the seminal work on Switched Reluctance Motors and was a recipient of the IEE Premium Award in 1980. He also received the award »Excellence in Design« from Mitutoyo and Design Engineering Journal in 1994. He is a reviewer for journals IEE Proceedings (Electric Power Applications) and European Power Electronics.

Mladen Crneković was born in Croatia in 1959. He received the BEng degree in mechanical engineering from the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb (FSB), Croatia, in 1984, MSc degree (1988) and Ph.D. degree (1992) in control engineering in the same institution. Since 1985 he has been a scientific assistant, and since 1998 a professor at the Control and Robotics Department. His research interests are in robotics (collision free path planning, mobile robots, programming, simulations, vision systems) and microcontrollers (system software, programming, communication). He published 26 scientific papers and is co-autor of the book *Industrial Robots*. E-mail: mladen.crnekovic@fsb.hr

Dušan Černohorsky Prof. Ing., CSc., (*1930) graduated at Military Academy Brno in 1954. At the same Academy, he obtained Ph.D. degree in 1964. From 1965 to 1966, he was with the Military Engineering College in Cairo (Egypt). Since 1970, he occupied the position of an associate professor, and since 1991 the position of a professor at the Faculty of Electrical Engineering and Computer Science, Brno University of Technology. He taught courses oriented to antennas, EM wave propagation an EM field. He is author or co-author of more than 15 pedagogical publications. His research activities were oriented to antenna techniques and to the application of EM field. His development was focused in short-wave and mobile antennas, in adaptive antennas, and in temporal--spatial signal processing.

Julijana Divković Pukšec, born in Zagreb, received B.Sc. E.E, M.Sc. E.E and Ph. D. degrees from University of Zagreb, Croatia, Faculty of Electrical Engeenering and Computing in 1971, 1976, 1996, respectively. She works at Faculty of Electrical Engineering and Computing in Zagreb, Department of Electronics, Microelectronics, Computer and Intelligent Systems since 1972. Her research interests are in the analysis and the design of VLSI Circuits.



Stanislav Goňa (*1976) graduated at the Faculty of Electrical Engineering and Computer Science in 1999. At the present, he works towards Ph.D. degree at the Dept. of Radio Electronics, Brno University of Technology. In 2000, he spent 4 months at Katholieke Hogeschool Brugge-Oostende in Belgium, where he was engaged in the design of analog circuits. His research activities are oriented to the numerical modeling of antennas and other microwave structures by the method of moments. He is also interested in modeling and analysis of microwave structures by the finite-element method in Ansys.

Dr John Huang received his B.S.E.E degree from Michigan Technology University (1969) in USA, M.S.E.E. from University of California at Berkeley (1970), and Ph.D. degree in electrical engineering from the Ohio State University (1978). From 1971 to 1980, he worked six years at the Naval Weapons Center, China Lake, California, where his principle duties were design and development of conformal antennas and radar cross section analysis by the Geometrical Theory of Diffraction. He has been with the Jet Propulsion Laboratory, California Institute of Technology since 1980, where his research activities involve microstrip antennas, mobile vehicle antennas, antenna miniaturization techniques, spacecraft antennas, phased arrays, reflectarray, and inflatable antennas. He has pioneered the development of several major antenna technologies, such as the microstrip reflectarray and the inflatable array antennas. Dr Huang, an IEEE Fellow, has published more than one hundred journal and conference papers, four book chapters, and received four U.S. patents and more than fifteen NASA Certificates of Recognition. He was appointed as an IEEE Distinguished Lecturer during the period of 1999–2002 and has been invited speaker in various international symposia and short courses.

Jiang Jingping (SM'88) was born in Zhejiang Province, P. R. China, in 1935. He has been on the teaching staff of Zhejiang University since 1958. He held the rank of Associate Professor in 1978 and was appointed full professor in 1985. From 1979–1981, he was a visiting scholar at the University of Wisconsin, Madison. From 1988–1989, he was a Visiting Professor at the Department of Engineering, University of Reading, Reading, England. His special interests center on the application of minicomputers and microprocessors in real--time control applications. He serves as Vice Chief Editor of the Journal of Zhejiang University.

Joseph H. Kim received the B.S. degree in electronic engineering from the Kyung Hee University, Korea, in 1983, and M.S. in electrical engineering from the George Mason University, USA, in 1998. At present, he is a doctoral student at the George Mason University. His interests include simultaneous stabilization, robust control, fault identification, and applications of control theory to underwater vehicle problems.

Zdenko Kovačić (1958) received his Ph.D. in 1993, M.S.E.E. in 1987 and B.S.E.E. in 1981 at the University of Zagreb, Croatia. He is currently an associate professor at The Faculty of Electrical Engineering and Computing, University of Zagreb. His areas of interest are robotics, flexible manufacturing systems (FMS), electrical drives, intelligent, adaptive and optimal control systems, control of power converters. During 1990–1991, he spent one year working as a visitor researcher in the

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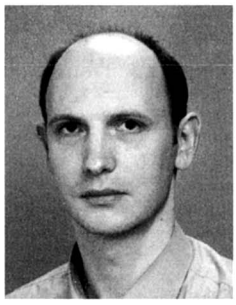
Dubravko Majetić (1962) received the B.Sc., M.Sc. and Ph.D. degrees, all in mechanical engineering, from the University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture (FSB), in 1988, 1992 and 1996 respectively. Presently, he is a lecturer at the Department of Control Engineering, FSB, University of Zagreb, and has taken part in several scientific and research projects. His interests include artificial intelligence, neural networks, robotics and automatic control. He is the author and co-author of 2 journal articles and 16 conference papers. E-mail: dubravko.majetic@fsb.hr

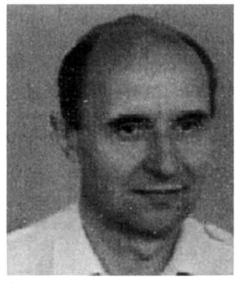
Dr Semsudin Masic received the Dipl. Ing., from University of Sarajevo 1974, M.Sc, from University Zagreb 1982 and Ph.D. degrees from University of Sarajevo 1992. After completing his graduate studies, he became an Assistant in Department of Power Engineering Department at the University of Sarajevo, Faculty of Electrical Engineering. Since 1982 he is Research Fellow at the Institute for Automatic and Computer Science and at the Electrical Power Institute by Energoinvest Company, Sarajevo. His research interests are in the areas of Electric Machines and Drives, especially numerical analysis of magnetic fields, mathematical models and measuring characteristics of electric machines and electrical drives in traffic systems. He is now Associate Professor, Head of Department of Electrical Machines and Drives, and the Vice-Dean Faculty of Electrical Engineering Sarajevo.

Václav Michálek Ing., CSc., (*1949) graduated at the Faculty of Electrical Engineering and Computer Science in 1997. At the present, he is an assistant professor at the Dept. of Radio Electronics, Brno University of Technology. He teaches courses Microprocessor Techniques and Microprocessors and Microcomputers. He is author or co-author of many papers in journals and conference proceedings and 2 textbooks. He was engaged in several projects oriented to the computer-aided education and to the exploitation of new technologies in educational process.

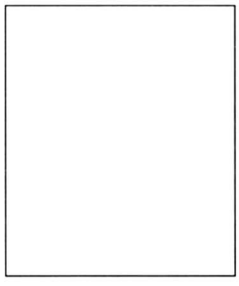


Gašper Mušič received his B.Sc., M.Sc., and Ph.D. degrees in electrical engineering from the University of Ljubljana, Slovenia in 1992, 1995 and 1998 respectively. He is working as an assistant in the field of automatic control at the Faculty of Electrical Engineering, University of Ljubljana, Slovenia. His research interests are in discrete event and hybrid dynamical systems, supervisory control, and applications in industrial process control.

Vlastimil Navrátil (*1976) graduated at the Faculty of Electrical Engineering and Computer Science in 1999. At the present, he works towards Ph.D. degree at the Dept. of Radio Electronics, Brno University of Technology. He is interested in electromagnetic compatibility (measurement of EM interference, and testing EM resistance, modeling GTEM cells).



Zdeněk Nováček Doc. Ing., CSc., (*1945) graduated at the Faculty of Electrical Engineering and Computer Science in 1969. At the present, he is an associate professor at the Dept. of Radio Electronics, Brno University of Technology. He teaches courses EM Waves and Transmission Lines, Antennas and Propagation of EM Waves and Design of Wireless Communications. His research activities are oriented to the design of special-purpose radiating systems, to near-field antenna measurements, and to temporal-spatial signal processing. He is author or co-author of more than 30 papers in journals and conference proceedings and 10 textbooks



Viktor Otevřel Ing., (*1975) graduated at the Faculty of Electrical Engineering and Computer Science in 2000. At the present, he works towards Ph.D. degree at the Dept. of Radio Electronics, Brno University of Technology. He is interested in the time-domain numerical modeling (FD-TD, especially) of EM structures and in the global optimization of EM structures (polytope algorithms, genetic ones).

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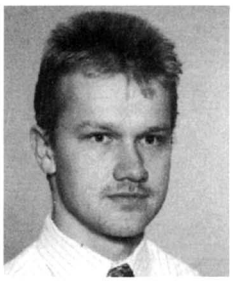

Petr Poměnka Ing., (*1973) graduated at the Faculty of Electrical Engineering and Computer Science in 1997. At the present, he works towards Ph.D. degree at the Dept. of Radio Electronics, Brno University of Technology. He is interested in the numerical analysis and design of microwave structures. He participated in several projects oriented to the computer-aided education and to the exploitation of new technologies in educational process.

Zbyněk Raida (*1967 in Opava) received Ing. (M.Sc.) and Dr. (Ph.D.) degrees from the Brno University of Technology (BUT), the Czech republic, in 1991 and 1994, respectively.
From 1993 to 1998, he was an assistant professor at the Department of Radio Electronics at BUT, and since 1999, he has been an associated professor at the same department. From 1996 to 1997, he spent 6 months at the Laboratoire de Hyperfrequences, Universite Catholique de Louvain, Belgium as an independent researcher. He is author or co-author of more than 50 papers in scientific journals and conference proceedings in the areas of numerical modeling of EM structures, optimization of EM structures, application of neural networks to EM modeling and design, and adaptive antennas. In 1999, he received the Young Scientist Award of URSI General Assembly in Toronto, Canada.
Dr. Raida is a member of the IEEE Microwave Theory and Techniques Society, and since 2001, he has served as a chairman of MTT/AP/ED joint section of the Czech-Slovak chapter of IEEE. Since 2001, he is an executive editor of the Radioengineering journal (publication of Czech and Slovak Technical Universities and URSI committees).

Anja Skrivervik got her electrical engineering degree from Ecole Polytechnique Federale de Lausanne in 1986. She became a research assistant at electromagnetics and acoustics laboratory of the same institution an obtained her Ph.D. in 1992.
In 1993 she worked six month as an invited scientist at the university of Rennes, where she started the activity on array analysis by supervising two Ph.D. students. The same year she received the award of the Latsis fundation for her thesis and research work in general. From 1993 to 1995 she worked in the swiss industry, where her research tasks were focused on antenna miniaturization and on the development of electromagnetic field sensors.
In 1995 she became an assistant professor for waves and radio communications at the Ecole Polytechnique Federale in Lausanne. Her teaching activities include courses on microwaves and on antennas. She was responsible for the electrical engineering undergraduate curriculum from 1996 to 2000. Her research activities include electrically small antennas, multifrequency and ultra wideband antennas, printed antenna array analysis, numerical techniques for electromagnetics and the design and analysis of millimeter wave antennas.
She is active in european collaboration european projects (Esprit, COST, ESA) and has projects in collaboration with several industries.

Senad Smaka was born in 1969. He graduated on Dipl. Ing. at Faculty of Electrical Engineering at University of Sarajevo in 1996. From 2000 he works on Department of Electrical Machines and Drives of Faculty of Electrical Engineering in Sarajevo. He is research assistant leading to M.Sc. degree. His research interests are computer modeling of electrical machines and drives and computer based measurements.

Zbyněk Škvor Doc. Ing., CSc. (*1961) graduated at the Faculty of Electrical Engineering, Czech Technical University in Prague, in 1985. At the present, he is an associate professor at the Dept. of EM Field, CTU Prague. He teaches courses Theory of EM Field, CAD for HF Techniques, CAD for Non-linear and HF Circuits and Systems. His research is oriented to numerical methods for the analysis of EM Fields, to measurement and design techniques for HF and Microwave Circuits. He is author or co-author of more than 100 papers in journal and conference proceedings and 2 textbooks.

Tomáš Urbanec, Ing., (*1976) graduated at the Faculty of Electrical Engineering and Computer Science in 2000. At the present, he works towards Ph.D. degree at the Dept. of Radio Electronics, Brno University of Technology. He is interested in analytical modeling and numerical analysis of special microwave transmission structures. He is engaged in the design and measurement of microwave circuits and antennas.

Geert Vanderstegen bachelor, (*1979) graduated at the Katholieke hogeschool Limburg in Belgium in 2002. In 2002 he spent 3 months at the Dept. of Radio Electronics, Brno University of Technology, where he was engaged in the design of the website presenting the Multimedia Textbook of EM Theory and Techniques.

Bart Vandijck bachelor, (*1980) graduated at the Katholieke hogeschool Limburg in Belgium in 2002. In 2002 he spent 3 months at the Dept. of Radio Electronics, Brno University of Technology, where he was engaged in the design of the website presenting the Multimedia Textbook of EM Theory and Techniques.

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Davor Zorc received the bachelor's degree in electrical engineering in 1978 from the University of Zagreb, the master's degree in electrical engineering in 1986 from the University of Zagreb and Ph.D. in electrical engineering from the same University in 1990. In the period from 1978–1982 he was employed as a development engineer in the industrial Electronics Institute »Rade Koncar«, where he was developing electronic control and measurement equipment. Since 1982 he has been employed as a scientific assistant at the University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Department of Automation. In 1987 he was granted the research scholarship for Florida State University, Tallahassee, Florida. Research was carried out in parallel decomposition of control algorithms. The main research interests include: computer control of processes and robots, parallel processing and computerized measurement systems. Since 1988 he has been a member of The Institute of Electrical and Electronics Engineers and a member of The Computer Society.

Jean-François Zürcher was born in Vevey, Switzerland, in 1951. He graduated with the degree of Electrical Engineer from Ecole Polytechnique Fédérale de Lausanne (Lausanne Institute of Technology) in 1974. He is presently employed as permanent Scientific Associate with the Laboratoire d'Electromagnétisme et d'Acoustique EPFL, where he is the manager of the microwave laboratory. His main interest lies in the domain of microstrip circuits and antennas. In 1988, he invented the SSFIP concept (»*Strip Slot Foam Inverted Patch antenna*«), which became a commercial product. He is presently developping instrumentation and techniques for the measurement of near fields of planar structures and microwave materials measurement and imaging.
M. Zürcher is the author or co-author of more than 100 publications, chapters in books and papers presented at international conferences. He is one of the two authors of the book »*Broadband Patch Antennas*«, published by *Artech* in 1995. He holds 6 patents.

Biografski podaci za jedan dio naših autora u 2002. godini dani su u prijašnjim brojevima časopisa Automatika. Radi se o sljedećim autorima:

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Ivan Petrović	(3–4/2001)
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