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Content List of 12th IFAC Conference on Programmable Devices and Embedded Systems

Technical Program for Wednesday September 25, 2013

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Drauschke, Andreas	UAS Tech. Wien
Traxler, Lukas	UAS Tech. Wien
Lux, Kirsten	IMA - Integrated Microsystems Austria GmbH
Krutzler, Christian	IMA - Integrated Microsystems Austria GmbH
Rank, Elisabeth	UAS Tech. Wien
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David, Veronika	Univ. of Applied Sciences FH Tech. Wien
Forjan, Mathias	Univ. of Applied Sciences Tech. Wien
Drauschke, Andreas	UAS Tech. Wien
Steiner, Theresa	UAS Tech. Wien
Bures, Zbynek	Coll. of Pol. Jihlava
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Peter, Lukas	VSB Tech. Univ. of Ostrava
Cerny, Martin	VSB TU Ostrava
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Komkhao, Maytayanin	Fernuniversität in Hagen
Halang, Wolfgang	Fernuniversitaet in Hagen
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Frohner, Matthias	Univ. of Applied Sciences Tech. Wien
Windisch, Michael	Univ. of Applied Sciences Tech. Wien
Sauermann, Stefan	Univ. of Applied Sciences Tech. Wien
Jiří, Sekora	Brno Univ. of Tech.
Forjan, Mathias	Univ. of Applied Sciences Tech. Wien
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Krejci, Ivan	Vysoká škola Pol. Jihlava
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Penhaker, Marek	VSB-TUO
Hlavackova, Milada	VSB-TUO
Brumek, Jan	VSB-TUO
Kovacik, Michal	VSB-TUO
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Jokic, Dejan	Faculty of Electrical Engineering, Univ. of East Sarajevo
Lubura, Slobodan	Univ. of East Sarajevo
Lukac, Dusko	Rheinische Fachhochschule
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Vesely, Ivo	Brno Univ. of Tech.
Buchta, Ludek	Brno Univ. of Tech.
Graf, Miroslav	Brno Univ. of Tech.

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Buchta, Ludek	Brno Univ. of Tech.
Graf, Miroslav	Brno Univ. of Tech.
Vesely, Ivo	Brno Univ. of Tech.

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Gabrlík, Petr	Brno Univ. of Tech.
Vomocil, Jan	Brno Univ. of Tech.
Zalud, Ludek	Brno Univ. of Tech.

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Slanina, Zdenek	VSB-Tech. Univ. of Ostrava
Otevrel, Vit	VSB-TUO
Dojcsan, Michal	VSB-TUO
Kazarik, Jiri	VSB-TUO

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Bubeníková, Emília	Univ. of Žilina, Department of Information and Control Syst
Franecková, Mária	Univ. of Žilina, Department of Information and Control Syst
Holečko, Peter	Univ. of Žilina, Faculty of Electrical Engineering

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Ahrens, Janeks	Riga Tech. Univ.
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Paleček, Juraj	Amicus SK Ltd.
Vestenický, Martin	Univ. of Žilina, Faculty of Electrical Engineering
Vestenický, Peter	Univ. of Žilina, Faculty of Electrical Engineering
Spalek, Juraj	Univ. of Žilina, Faculty of Electrical Engineering

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Kluga, Ansis	Riga Tech. Univ.
Kluga, Janis	Riga Tech. Univ.
Bricis, Arturs	Riga Tech. Univ.
Mitrofanovs, Ingus	Riga Tech. Univ.

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Schiopu, Daniela	Petroleum-Gas Univ. of Ploiesti
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Ozana, Stepan	VSB-Tech. Univ. of Ostrava
Vojcinak, Petr	VSB - TUO, FEI, Department of Cybernetics and Biomedical Engineer
Pies, Martin	VSB-Tech. Univ. of Ostrava, Faculty of Electrical Engin

Hajovsky, Radovan	VSB-Tech. Univ. of Ostrava, FEECS
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Luís Marques, Correia, Ricardo	Univ. of Aveiro
Faneca, Carlos	Univ. of Aveiro
Vieira, José	Univ. de Aveiro
Bastos, Carlos A.C.	Univ. of Aveiro
Bernardino, Joana	Bio3 - Estudos e projectos em biologia e valorização de recursos
Costa, Hugo	Bio3 - Estudos e projectos em biologia e valorização de recursos
Mascarenhas, Miguel	Bio3 - Estudos e projectos em biologia e valorização de recursos
Ramos Pereira, Maria João	Department of Biology and Centre for Environmental and Marine St
Fonseca, Carlos	Univ. of Aveiro, CESAM & DBIO
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Sveda, Miroslav	Brno Univ. of Tech.
Rysavy, Ondrej	Brno Univ. of Tech.
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Zhang, Qi	EUROCOPTER Deutschland GmbH, Univ. der Bundeswehr München
Karcher, Andreas	Univ. der Bundeswehr München
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Hajovsky, Radovan	VSB-Tech. Univ. of Ostrava, FEECS
Pies, Martin	VSB-TUO
Koziorek, Jiri	VSB-TUO
Vojcinak, Petr	VSB-TUO
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Vavrla, Tomáš	VSB - TUO, FEI, Department of Cybernetics and Biomedical Engineer
Vojcinak, Petr	VSB - TUO, FEI, Department of Cybernetics and Biomedical Engineer
Koziorek, Jiri	VSB-TU Ostrava
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Czerwinski, Robert	Silesian Univ. of Tech.
Chmiel, Miroslaw	Silesian Univ. of Tech.
Wygrabek, Wojciech	Silesian Univ. of Tech.
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Chmiel, Miroslaw	Silesian Univ. of Tech.
Mocha, Jan	Silesian Univ. of Tech.
Hrynkiewicz, Edward	Silesian Univ. of Tech.
Polok, Dariusz	Silesian Univ. of Tech.
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Kocian, Jiri	VSB-TUO
Koziorek, Jiri	VSB-TU Ostrava
Hasal, Martin	VSB-TUO
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Ionescu, Laurentiu	Univ. of Pitesti, Department of Electronics and Computers	
Ionita, Silviu		Univ. of Pitești
Mazare, Alin	Univ. of Pitesti, Department of Electronics and Computers	
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Jokic, Dejan	Faculty of Electrical Engineering, Univ. of East Sarajevo	
Lubura, Slobodan		Univ. of East Sarajevo
Stankovski, Stevan		Univ. of Novi Sad
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Konecny, Jaromir	Department of Cybernetics and Biomedical Engineering, VSB Tech.	
Prauzek, Michal	Department of Cybernetics and Biomedical Engineering, VSB Tech.	
Vanus, Jan		VSB TU Ostrava
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Barkalov, Alexander		Univ. of Zielona Góra
Titarenko, Larysa		Univ. of Zielona Góra
Bieganowski, Jacek		Univ. of Zielona Góra

Technical Program for Thursday September 26, 2013

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Košinár, Michal	Vysoká škola báňská - Tech. Univ. Ostrava	
Štrba, Radoslav	Vysoká škola báňská - Tech. Univ. Ostrava	
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Adamski, Marian Andrzej	Univ. of Zielona Góra	
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Jablonski, Janusz	Univ. of Zielona Góra	
Dylewski, Robert	Univ. of Zielona Góra	
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Jamro, Marcin	Rzeszow Univ. of Tech.	
Trybus, Bartosz	Rzeszow Univ. of Tech.	
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Karatkevich, Andrei	Univ. of Zielona Góra	
Labiak, Grzegorz	Univ. of Zielona Góra	
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Slasten, Liuba	Scientific Res. Inst. of Multiprocessor Computer Systems	
Gudkov, Vyacheslav	Scientific Res. Inst. of Multiprocessor Computer Systems	
Gulenok, Andrei	Scientific Res. Inst. of Multiprocessor Computer Systems	
Kovalenko, Vasilii	Scientific Res. Inst. of Multiprocessor Computer Systems	
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Slasten, Liuba	Scientific Res. Inst. of Multiprocessor Computer Systems	
Dordopulo, Alexey	Scientific Res. Inst. of Multiprocessor Computer Systems	
Kaliaev, Igor	Scientific Res. Inst. of multiprocessor computersystems	
Levin, Ilya	Scientific Res. Inst. of Multiprocessor Computer Systems o	
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Titarenko, Larysa	Univ. of Zielona Góra	
Kolopiencyk, Malgorzata	Univ. of Zielona Góra	
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Pacholik, Alexander	Ilmenau Univ. of Tech.	
Zschäck, Stephan	Ilmenau Univ. of Tech.	
Fengler, Wolfgang	Ilmenau Univ. of Tech.	
Ament, Christoph	Tech. Univ. Ilmenau	
Braune, Tobias	solvimus GmbH Ilmenau	
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Baity-Jesi, Marco	Complutense Univ. of Madrid	

Baños, Raquel Alvarez	Univ. of Zaragoza
Cruz, Andrés Flor	Univ. of Zaragoza
Fernández, Luis Antonio	Univ. of Extremadura
Gil-Narvi6n, Jos6 Miguel	Univ. of Zaragoza
Iñiguez, David Dieste	Univ. of Zaragoza
Maiorano, Andrea	Sapienza Univ. of Rome
Mantovani, Fabio	Univ. of Ferrara
Marinari, Enzo	Sapienza Univ. of Rome
Martín-Mayor, Victor	Complutense Univ. of Madrid
Monforte-Garcia, Jorge	Univ. of Zaragoza
Sudupe, Antonio Muñoz	Complutense Univ. of Madrid
Parisi, Giorgio	Univ. of Extremadura
Gaviro, Sergio Pérez	Univ. of Zaragoza
Pivanti, Marcelo	Univ. of Ferrara
Ricci-Tersenghi, Federico	Sapienza Univ. of Rome
Ruiz-Lorenzo, Juan Jesús	Univ. of Extremadura
Schifano, Fabio	Univ. of Ferrara
Tarancon, Alfonso	Univ. of Zaragoza
Tripicione, Raffaele	Univ. of Ferrara
Mosquera, David Yllanes	Univ. of Zaragoza
Seoane, B.	Sapienza Univ. of Rome
Navarro, D.	Univ. of Zaragoza

D2BT1	Room A
Discrete Event-System Design II (Regular Session)	

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Barkalov, Alexander	Univ. of Zielona G6ra
Chmielewski, Slawomir	Univ. of Zielona G6ra
Titarenko, Larysa	Univ. of Zielona G6ra
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Barkalov, Alexander	Univ. of Zielona G6ra
Titarenko, Larysa	Univ. of Zielona G6ra
Babakov, Roman	Donetsk National Tech. Univ.
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Pokorny, Miroslav	VSU-TUO
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Titarenko, Larysa	Univ. of Zielona G6ra
Hebda, Olena	Univ. of Zielona G6ra
Barkalov, Alexander	Univ. of Zielona G6ra
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Milik, Adam	Silesian Univ. of Tech.

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Papez, Milan	Brno Univ. of Tech.
Pivoňka, Petr	BUT, FECC
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Chromy, Adam	Brno Univ. of Tech.

Kocmanová, Petra Zalud, Ludek	CEITEC BUT Brno Univ. of Tech.
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Magnis, Lionel Petit, Nicolas	MINES ParisTech MINES ParisTech
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Szabo, Roland Gontean, Aurel	Faculty of Electronics and Telecommunications, Faculty of Electronics and Telecommunications,
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Winne, Olaf Beikirch, Helmut Filz, Johannes	Lamtec Leipzig GmbH&CO.KG Univ. Rostock Lamtec Leipzig GmbH&CO.KG

Technical Program for Friday September 27, 2013

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Friedmannova, Darina	VSB-TUO
Cmielova, Martina	VSB-TUO
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Bazydło, Grzegorz	Univ. of Zielona Góra
Adamski, Marian Andrzej	Univ. of Zielona Góra
Wegrzyn, Marek	Univ. of Zielona Góra
Rosado-Muñoz, Alfredo	Univ. of Valencia. SPAIN
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Gilewska, Grażyna	Bialystok Univ. of Tech.
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Vaculik, Lukas	VSB-TUO
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Seligova, Dagmar	VSB-TUO
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Mikucki, Jerzy	Rockwell Automation
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Baranek, Radek	Brno Univ. of Tech.
Solc, Frantisek	TU of Brno
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Franeek, Leseek	Brno Univ. of Tech.
Fiedler, Petr	Brno Univ. of Tech.
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Szabo, Roland	Faculty of Electronics and Telecommunications,
Gontean, Aurel	Faculty of Electronics and Telecommunications,
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Havlikova, Marie	Brno Univ. of Tech. Faculty of Electrical Engineering
Sediva, Sona	FEEC, BUT Brno
Bradac, Zdenek	Brno Univ. of Tech.
Stibor, Karel	VUT Brno
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Sir, Michal	Brno Univ. of Tech.
Bradac, Zdenek	Brno Univ. of Tech.
Kaczmarczyk, Václav	Brno Univ. of Tech.

Stibor, Karel	Brno Univ. of Tech.
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Gryko, Lukasz	Bialystok Univ. of Tech.
Zajac, Andrzej	Bialystok Univ. of Tech.
Gilewski, Marian	Bialystok Univ. of Tech.
Szymanska, Justyna	Department of Lasertherapy and Physiotherapy, Ludwik Rydygier Co
Goralczyk, Krzysztof	Department of Pathophysiology, Ludwik Rydygier Coll. Medicum
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Kulisz, Józef Wawrzyniec	Silesian Univ. of Tech.
Chmiel, Mirosław	Silesian Univ. of Tech.
Malcher, Andrzej	Silesian Univ. of Tech.
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Kaczmarczyk, Václav	Brno Univ. of Tech.
Bradac, Zdenek	Brno Univ. of Tech.
Stibor, Karel	Brno Univ. of Tech.
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Moldrik, Petr	VSU-TUO
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Vavrla, Tomáš	VSU - TUO, FEI, Department of Cybernetics and Biomedical Enginne
Koziorek, Jiri	VSU-TU Ostrava
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Behan, Miroslav	Univ. Hradec Králové
Ondrej, Krejcar	Univ. Hradec Králové
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Kasik, Vladimír	VSU - Tech. Univ. of Ostrava, FEECS, DCBE
Kurecka, Ales	VSU - Tech. Univ. of Ostrava, FEECS, DCBE
Pospech, Petr	VSU - Tech. Univ. of Ostrava, FEECS, DCBE
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Hrbac, Roman	VSU TU Ostrava
Kolar, Vaclav	VSU TU Ostrava
Novak, Tomas	VSU TU Ostrava
Hamacek, Stefan	VSU TU Ostrava
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Vala, David	VSU-TU Ostrava
Rajmanova, Petra	VSU-TUO
Slanina, Zdenek	VSU-TUO
09:00-10:00	D3AT1.22
<i>Real-Time Module for Digital Image Processing Developed on a FPGA</i> , pp. 405-410.	
Gomes Mertes, Jacqueline	Inst. de Pesquisas Eldorado
Marranghello, Norian	Sao Paulo State Univ. (UNESP)
Pereira, Aledir Silveira	Sao Paulo State Univ.

D3BT1

Building and Home Automation (Regular Session)

Room A

		D3BT1.1
<i>The Proposal Model of Energy Savings of Lighting Systems in the Smart Home Care</i> , pp. 411-415.		
Vanus, Jan		VSB TU Ostrava
Novak, Tomas		VSB TU Ostrava
Koziorek, Jiri		VSB-TU Ostrava
Hrbac, Roman		VSB TU Ostrava
Konecny, Jaromir	Department of Cybernetics and Biomedical Engineering, VSB Tech.	
10:20-12:00		D3BT1.2
<i>Fault Detection in Building Management System Networks</i> , pp. 416-421.		
Kucera, Adam		Masaryk Univ.
Pitner, Tomas		Masaryk Univ.
Glos, Petr		Masaryk Univ.
10:20-12:00		D3BT1.3
<i>Design of a Smart Building Control with View to the Senior Citizens' Needs</i> , pp. 422-427.		
Vanus, Jan		VSB TU Ostrava
Koziorek, Jiri		VSB-TU Ostrava
Hercík, Radim		VSB-TUO
10:20-12:00		D3BT1.4
<i>Prepaid Energy in Time of Smart Metering</i> , pp. 428-433.		
Frnek, Leseek		Brno Univ. of Tech.
Šťastný, Ladislav		Brno Univ. of Tech.
Fiedler, Petr		Brno Univ. of Tech.
10:20-12:00		D3BT1.5
<i>Autonomous Recognition System for Traffic Signs Detection from Camera Images</i> , pp. 434-437.		
Hercík, Radim		VSB-TUO
Srovnal, Vilem	VSB-Tech. Univ. of Ostrava	
Slabý, Roman		VSB-TUO
Stankus, Martin		VSB-TUO
Vanus, Jan		VSB TU Ostrava
D3BT2		Room B
Industrial Applications (Regular Session)		
-		D3BT2.1
<i>Controlling Power Supplies on Different Communication Interfaces for Test Systems Used in Industry</i> , pp. 438-443.		
Szabo, Roland	Faculty of Electronics and Telecommunications,	
Gontean, Aurel	Faculty of Electronics and Telecommunications,	
10:20-12:00		D3BT2.2
<i>A Measuring System for Monitoring Error Artefacts in Photovoltaic Solar Cells by the Electroluminescence Method</i> , pp. 444-448.		
Friedrichsková, Kristýna	VŠB - TU Ostrava, FEI, KAT450	
Horák, Bohumil	VSB-Tech. Univ. of Ostrava	
10:20-12:00		D3BT2.3
<i>Energy Sources for an Experimental Electrical Network: PV Panel and Micro-Hydroelectric Power Plants</i> , pp. 449-454.		
Zezulka, Frantisek		VUT
Marcon, Petr		VUT Brno
Roubal, Zdenek		VUT Brno
Szabo, Zoltan		VUT Brno
Sajdl, Ondrej		VUT Brno
Stibor, Karel		VUT BRno
10:20-12:00		D3BT2.4
<i>Stabilisation of Low Voltage Distribution Networks with Renewable Energy Sources</i> , pp. 455-460.		
Zezulka, Frantisek		VUT
Bradac, Zdenek		VUT Brno
Marcon, Petr		VUT Brno
Zoltan, Szabo		VUT Brno
Stibor, Karel		VUT Brno

Reliability Analysis of Systems with a Complex Structure Using Monte Carlo Approach, pp. 461-466.

Jirgl, Miroslav

Brno Univ. of Tech.

Bradac, Zdenek

Brno Univ. of Tech.

Havlikova, Marie

Brno Univ. of Tech. Faculty of Electrical Engineering

Stibor, Karel

Brno Univ. of Tech.