

special issue

Journal of
Electrical Engineering

VOLUME 66, 2015

D e c e m b e r

No 7/s

Elektrotechnický časopis

ISSN 1335-3632

**Proceedings of
Magnetic Measurement 2015
Conference**

Košice, August 25–28, 2015

organized by

Slovak Magnetic Society

International Programme Committee:

• Jozef Blažek SK • Jan Bydžovský SK • Horia Chiriac RO • Christophe Dolabdjian FR • Karel Draxler CZ • Václav Havlíček CZ • Evangelos Hristoforou, GR • Vladimír Jančárik SK • Petr Kašpar CZ • Mojmir Kollár SK • José Merayo DK • István Mészáros HU • Anthony J. Moses UK • Helmut Pfützner AT • Antonín Platil CZ • Jozef Puttera SK • Pavel Ripka CZ • Rudolf Schäfer DE • Jozef Sláma SK • Marian Soinski PL • Jan Šubrt CZ • Jozef Šuriánsky SK • Elemír Ušák SK • Rastislav Varga SK • Gábor Vétesy HU • Pavol Vojtaník SK • Karel Závěta CZ • Ivan Zemánek CZ • Mária Zentková SK • Tomáš Žák SK

Local Scientific Committee:

• Josef Blažek • Jozef Hudák • Peter Kollár • Eva Komová • Ladislav Novák • Martin Orendáč • Dušan Praslička • Pavol Sovák • Ivan Škorvánek • Milan Timko • Ladislav Tomčo • Pavol Vojtaník • Ján Ziman

VOLUME 66, 2015

Faculty of Electrical Engineering and Information Technology of Slovak University of Technology
Institute of Electrical Engineering of Slovak Academy of Sciences

© FEI STU Bratislava

Conference Scope

Magnetic Measurements (MM) is a biannual conference which has been organized since 1984. It is held alternatively in the Slovak Republic and in the Czech Republic (apart from 2008 when it was held in Hungary). The conference provides an excellent opportunity for scientists and engineers from central Europe (but not only) to share the ideas and experience in the field of magnetic measurements. In last few decades Koice has become the research center with a number of scientists working in the field of magnetism from the theoretical as well as application points of view. This resulted in establishment of the Slovak Magnetic Society (SMAGS) in 2008. The SMAGS mission is to bring magnetism, as a source of information, material and intellectual wealth, to the awareness of the general public. This time, it was SMAGS's pleasure to organize the Magnetic Measurements 2015 conference in Košice.

Conference topics

- Measurement and metrology of magnetic quantities
- Theoretical problems and methods of magnetic measurements
- Measurement devices and methods for investigation of magnetic phenomena
- Computer techniques in magnetic measurements
- Problems and experimental studies of applied magnetism and magnetic shielding
- Theory and testing of advanced magnetic materials and study of magnetization processes
- Experimental methods of study of magnetic structures
- Sensors and actuators based on magnetic phenomena
- Magnetic nondestructive evaluation
- Industrial applications
- Technical applications and topics not included in 1-10



Local Organizing Committee:

- Rastislav Varga (chairman) • Katarína Draganová • Ján Füzér • Pavol Lipovský • Jozef Marcin
- Jozef Onufer • Kornel Richter • Tomáš Ryba • Marek Varga

AUTHOR INDEX TO ISSUE 7/s (2015)

Bajús, J.	No. 7s, 153–156	Kollár, P.	No. 7s, 66–69	Salach, J.	No. 7s, 41–44
Bajzecerova, V.	No. 7s, 164–167	Komanicky, V.	No. 7s, 98–100	Salach, J.	No. 7s, 74–77
Bayer, T.	No. 7s, 26–29	Komanicky, V.	No. 7s, 101–103	Salach, J.	No. 7s, 149–152
Bieńkowski, A.	No. 7s, 149–152	Kováč, F.	No. 7s, 86–89	Sláma, J.	No. 7s, 120–123
Bieńkowski, A.	No. 7s, 178–181	Kováč, F.	No. 7s, 90–93	Sorta, S.	No. 7s, 5–9
Birčáková, Z.	No. 7s, 66–69	Kováč, J.	No. 7s, 142–145	Strupinski, W.	No. 7s, 149–152
Blažek, J.	No. 7s, 14–17	Kraus, L.	No. 7s, 70–73	Stupakov, A.	No. 7s, 10–13
Blažek, J.	No. 7s, 18–21	Kravčák, J.	No. 7s, 30–32	Stupakov, A.	No. 7s, 58–61
Blažek, J.	No. 7s, 30–32	Kriegisch, M.	No. 7s, 5–9	Sulla, I.	No. 7s, 161–163
Blažek, J.	No. 7s, 157–160	Kupec, J.	No. 7s, 26–29	Szewczyk, R.	No. 7s, 54–57
Blažek, J.	No. 7s, 190–192	Kuzminski, M.	No. 7s, 104–107	Szewczyk, R.	No. 7s, 74–77
Bögre, B.	No. 7s, 134–137			Szewczyk, R.	No. 7s, 82–85
Butvin, P.	No. 7s, 104–107	Lipovský, P.	No. 7s, 33–36	Szewczyk, R.	No. 7s, 149–152
Butvinova, B.	No. 7s, 104–107	Lipovský, P.	No. 7s, 153–156	Szewczyk, R.	No. 7s, 178–181
				Szulim, P.	No. 7s, 193–198
Caleyo, F.	No. 7s, 45–49	Maczak, J.	No. 7s, 203–207	Szulim, P.	No. 7s, 203–207
Cilliers, P. J.	No. 7s, 50–53	Manh, T.-L.	No. 7s, 45–49	Šebek, M.	No. 7s, 86–89
Čiuk, T.	No. 7s, 149–152	Maruš, J.	No. 7s, 86–89	Šebek, M.	No. 7s, 90–93
Chmielewski, M.	No. 7s, 182–185	Maruš, J.	No. 7s, 90–93	Šmelko, M.	No. 7s, 30–32
Chrobak, A.	No. 7s, 124–127	Matandirotya, E.	No. 7s, 50–53	Šmelko, M.	No. 7s, 33–36
Chrobak, A.	No. 7s, 128–133	Matko, I.	No. 7s, 104–107	Šoka, M.	No. 7s, 94–97
Chudikova, A.	No. 7s, 101–103	Mészáros, I.	No. 7s, 134–137	Šoka, M.	No. 7s, 112–115
Čverha, A.	No. 7s, 153–156	Mikita, I.	No. 7s, 190–192	Šoka, M.	No. 7s, 116–119
		Mohn, P.	No. 7s, 5–9	Šoka, M.	No. 7s, 120–123
Dessovic, P.	No. 7s, 5–9	Moucha, V.	No. 7s, 190–192		
Dosoudil, R.	No. 7s, 116–119			Takagi, T.	No. 7s, 174–177
Draganová, K.	No. 7s, 30–32	Najgebauer, M.	No. 7s, 37–40	Tomáš, I.	No. 7s, 174–177
Draganová, K.	No. 7s, 157–160	Neslušán, M.	No. 7s, 10–13		
		Novák, L.	No. 7s, 142–145	Uchimoto, T.	No. 7s, 174–177
Espina-Hernández, J. H.	No. 7s, 45–49	Nowicki, M.	No. 7s, 54–57	Ulv, M.	No. 7s, 26–29
		Nowicki, M.	No. 7s, 74–77	Ušák, E.	No. 7s, 112–115
Flachbart, N.	No. 7s, 33–36			Ušák, E.	No. 7s, 168–173
Füzer, J.	No. 7s, 66–69	Onufer, J.	No. 7s, 108–111	Ušáková, M.	No. 7s, 94–97
		Onufer, J.	No. 7s, 153–156	Ušáková, M.	No. 7s, 112–115
Gálík, J.	No. 7s, 161–163	Oszwaldowski, M.	No. 7s, 149–152	Ušáková, M.	No. 7s, 116–119
Garstka, T.	No. 7s, 186–189				
Gontarz, S.	No. 7s, 193–198	Paľa, J.	No. 7s, 94–97	Vahovsky, O.	No. 7s, 138–141
Gontarz, S.	No. 7s, 203–207	Perevertov, O.	No. 7s, 10–13	van Zyl, R. R.	No. 7s, 50–53
Gozdur, R.	No. 7s, 37–40	Perevertov, O.	No. 7s, 58–61	Varga, L. K.	No. 7s, 78–81
Grössinger, R.	No. 7s, 5–9	Pérez-Benítez, J. A.	No. 7s, 45–49	Varga, R.	No. 7s, 98–100
Gyepes, R.	No. 7s, 98–100	Petrucha, V.	No. 7s, 146–148	Varga, R.	No. 7s, 101–103
Gyepes, R.	No. 7s, 101–103	Petrucha, V.	No. 7s, 199–202	Varga, R.	No. 7s, 138–141
		Petruch, O.	No. 7s, 149–152	Varga, R.	No. 7s, 153–156
Hallen, J. M.	No. 7s, 45–49	Petryshynets, I.	No. 7s, 86–89	Varga, R.	No. 7s, 161–163
Hanczok, G.	No. 7s, 128–133	Petryshynets, I.	No. 7s, 90–93	Varga, R.	No. 7s, 164–167
Havránek, A.	No. 7s, 22–25	Piotrowski, L.	No. 7s, 182–185	Vargova, Z.	No. 7s, 98–100
Havránek, A.	No. 7s, 62–65	Platil, A.	No. 7s, 146–148	Vargova, Z.	No. 7s, 101–103
Hubáč, L.	No. 7s, 142–145	Praczkowska, A.	No. 7s, 74–77	Vcelak, J.	No. 7s, 208–211
Hudák, J.	No. 7s, 153–156	Praslička, D.	No. 7s, 30–32	Vértesy, G.	No. 7s, 174–177
Hudák, J.	No. 7s, 190–192	Praslička, D.	No. 7s, 33–36	Vlk, M.	No. 7s, 26–29
		Praslička, D.	No. 7s, 157–160	Vojtanik, P.	No. 7s, 164–167
Ilkovic, S.	No. 7s, 98–100	Praslička, D.	No. 7s, 190–192	Vyhnánek, J.	No. 7s, 146–148
Ilkovič, S.	No. 7s, 101–103	Puchy, V.	No. 7s, 86–89		
		Puchy, V.	No. 7s, 90–93	Weidenfeller, B.	No. 7s, 66–69
Jackiewicz, D.	No. 7s, 54–57			Winiarski, W.	No. 7s, 149–152
Jackiewicz, D.	No. 7s, 178–181	Reiffers, M.	No. 7s, 98–100		
Jančárik, V.	No. 7s, 116–119	Reiffers, M.	No. 7s, 101–103	Zemánek, I.	No. 7s, 22–25
Jančárik, V.	No. 7s, 120–123	Ripka, P.	No. 7s, 199–202	Zemánek, I.	No. 7s, 62–65
Janošek, M.	No. 7s, 26–29	Rovnak, M.	No. 7s, 164–167	Zemánek, P.	No. 7s, 62–65
Janošek, M.	No. 7s, 146–148	Ryba, T.	No. 7s, 98–100	Ziółkowski, G.	No. 7s, 124–127
		Ryba, T.	No. 7s, 101–103	Ziółkowski, G.	No. 7s, 128–133
Kachniarz, M.	No. 7s, 82–85	Rydz, D.	No. 7s, 186–189	Zikmund, A.	No. 7s, 26–29
Kachniarz, M.	No. 7s, 149–152			Zikmund, A.	No. 7s, 208–211
Kán, V.	No. 7s, 33–36	Sabol, R.	No. 7s, 161–163	Ziman, J.	No. 7s, 108–111
Kladivová, M.	No. 7s, 108–111	Sabol, R.	No. 7s, 164–167	Ziman, J.	No. 7s, 153–156
Klein, P.	No. 7s, 153–156				
Klein, P.	No. 7s, 161–163				
Kliment, T.	No. 7s, 157–160				