

H – Personální zabezpečení – přednášející / Teaching Staff – Lecturer							
Název VŠ / součásti / Name of school / faculty	Technical University of Liberec				Faculty of Mechatronics, Informatics and Interdisciplinary Studies		
Název SP / Name of study program	N2612 Electrical Engineering and Informatics						
Jméno a příjmení / Lecturer (First name and last name)	Pavel Mokrý				Tituly / Titles	doc. Ing., Ph.D.	
Rok narození / Year of birth	1975	typ vzt. / Type of employment	Full time	Rozsah / Range of employment	100%	do kdy / employed till	4.3.2013
Další současní zaměstnavatelé / Other employers				typ prac. vztahu / type of employment		Rozsah / range	
Přednášky v předmětech / Lectures in subjects	- Smart Sensors and Actuators						
Údaje o oboru vzdělání na VŠ a o praxi od absolvování VŠ, vč. studia v doktorském SP / Education, titles received and previous employment Education and earned degrees: 1999 Master Degree from the Faculty of Mechatronics and Interdisciplinary Engineering Studies, TUL 2001 Ph.D. Degree in Applied Sciences in Engineering from the Technical University of Liberec Career history: 2001-2003 Research Student, Tokyo University of Science, Department of Chemistry, Japan 2001-2003 Visiting Researcher, Kobayasi Institute of Physical Research, Japan (part time) 2003-2004 Post-doc Assistant, Ceramics Laboratory, EPFL Lausanne, Switzerland (full time) 2004-2006 Assistant Professor, Dept. of Electrical Engineering, FM TUL 2006 Associated Professor, Dept. of Electrical Engineering, FM TUL 2007- Associated Professor, Institute of Mechatronics and Computer Engineering, FM TUL							
Přehled o publikační a další tvůrčí činnosti za posledních 5 let / A short list of the most relevant publications and R&D achievements within in the last 5 years							
[1] P. Mokrý, Y. Wang, A. K. Tagantsev, D. Damjanovic, I. Stolichnov, N. Setter: Evidence for dielectric aging due to progressive 180° domain wall pinning in polydomain Pb(Zr0.45Ti0.55)O3 thin films, Physical Review B 79 (5) 054104 (2009) [2] P. Mokrý: A method to study ageing of polydomain ferroelectrics using measurements of nonlinear permittivity, Ferroelectrics 375 , 40-55 (2008) [3] T. Sluka, H. Kodama, E. Fukada, and P. Mokrý: Sound shielding by a piezoelectric membrane and a negative capacitor with feedback control, IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control 55 (8) 1859 (2008) [4] R. Gysel, I. Stolichnov, A. K. Tagantsev, N. Setter, and P. Mokrý: Restricted Domain Growth and Polarization Reversal Kinetics in Ferroelectric Polymer Thin Films, Journal of Applied Physics 103 084120 (2008) [5] T. Sluka, P. Mokrý: Feedback control of piezoelectric actuator elastic properties in a vibration isolation system, Ferroelectrics 351 51-61 (2007) [6] P. Mokrý, A. K. Tagantsev, and J. Fousek: Pressure on charged domain walls and additional imprint mechanism in ferroelectric, Phys. Rev. B, 75 (9) 094110 (2007) [7] P. Mokrý, A. K. Tagantsev, and N. Setter: Effect of spontaneous polarization screening on dielectric response of ferroelectric polydomain films, Ferroelectrics 319 , 435-443 (2005) [8] P. Mokrý and J. Fousek: Elastic aspects of domain quadruplets, J. Appl. Phys. 97 , 114104 (2005) [9] P. Mokrý, A. K. Tagantsev, and N. Setter: Size effect on permittivity in ferroelectric polydomain thin films, Phys. Rev. B 70 (17) 172107 (2004) [10] E. Fukada, M. Date, K. Kimura, T. Okubo, H. Kodama, P. Mokrý and K. Yamamoto: Sound Isolation By Piezoelectric Polymer Films Connected To Negative Capacitance Circuits, IEEE Trans. Dielectr. Electr. Insul. 11 (2) 328-333 (2004)							

24 research articles (17 in reviewed international journals); h-index 5; 14 talks at international meetings (7 invited), 12 invited unpublished talks at international labs; reviewer of 30 research papers in 8 international journals; research team member of 12 projects (2 as a principal researcher and 3 international); 2 international patents				
Působení v zahraničí / Stays abroad		2001 - 2003: Tokyo University of Science, Japan (24 months) 2001 - 2003: Kobayasi Institute of Physical Research, Japan (24 months) 2003 - 2004: Post-Doc Assistant, EPFL Lausanne, Switzerland (18 months) 2008: Visiting Professor, EPFL Lausanne, Switzerland (3 months)		
Obor habilitačního nebo jmenovacího řízení nebo udělení vědecké hodnosti / PhD degree and habilitation - Research area		Engineering Cybernetics		ohlasy publikací / number of SCI citations
				44
PhD degree and habilitation - year and institution		Ph.D.: 2001 Technical University of Liberec Habilitation: 2006 Technical University of Liberec		mezinár. / international
Podpis přednášejícího / Lecturer signature				tuzem. / national
				44
				0
		Datum / date		10.4.2009