H – Personální zabezpečení – přednášející / Teaching Staff – Lecturer

Název VŠ / součásti / Name of school / faculty	Technical university of Liberec,			Faculty of Mechatronics and Interdisciplinary Engineering Studies			
Název SP / Name of study program	Electrical Engineering and Informatics						
Jméno a příjmení / Lecturer (First name and last name	Ivan Jaksch				**Tituly / Titles**	Doc., Ing., CSc.	
Rok narození / Year of birth	1943	**typ vzt. / Type of employment**	Full-time	**Rozsah / Range of employment**	100%	**do kdy / employed till**	2008

Další současní zaměstnavatelé / Other employers	**typ prac. vztahu / type of employment**	**Rozsah / range**

Přednášky v předmětech / Lectures in subjects

Digital measurement systems, Signal analysis application, Technical diagnostics, Image processing

Údaje o oboru vzdělání na VŠ a o praxi od absolvování VŠ, vč. studia v doktorském SP / Education, titles received and previous employment

Dipl. ing - Czech Technical University in Prague-1964; Candidate of Sciences - Czech Technical University in Prague – 1983; assoc. prof. - Technical university of Liberec -1995. Employment: Company for industrial automation 1965- 1968, State research institute of Textiles, Mathematic - physical department 1968-1991, Head of State testing laboratory for Textile machines 1991-1995, Technical university of Liberec, Faculty of Mechatronics, 1995- until now

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. Jaksch, I., Bazant, J.: Demodulation Methods for Exact Induction Motor Rotor Fault Diagnostic, World symposium IEEE, Symposium On Diagnostics for Electric Machines, Power Electronics and Drives, SDEMPED 2005, Vienna, September 2005
2. Jaksch, I., Fuchs, P.: Using space transformation for exact diagnostic of induction motor stator faults World symposium IEEE, Symposium On Diagnostics for Electric Machines, Power Electronics and Drives, SDEMPED 2005, Vienna, September 2005
3. Jaksch, I.:Faults diagnosis of three - phase induction motors using envelope analysis. World symposium IEEE, Symposium On Diagnostics for Electric Machines, Power Electronics and Drives, SDEMPED 2003, Atlanta USA, August 2003, pp. 289-293, IEEE Catalog Number: 03EX685, ISBN: 0-7803-7838-5.
4. Jaksch, I.:Measuring and Evaluating Methods for on-line Induction Motor Diagnosis, World symposium IEEE, Power Electronics and Drive Systems, PEDS 2003, Singapore, November 2003, pp. 308-312, ISBN 0-7803-7886-5, IEEE Catalog Number: 03TH8688C,
5. Jaksch, I.: Demodulation methods for induction motor diagnostics, EPVE Brno, November 2006, ISBN 80-214-3286-1
6. Jaksch, I.: The possibilities of space vector applications for exact diagnostic of induction motor stator faults. EPVE 2004, Brno, pp. 92-97, (In Czech) ISBN 80-214-2766-3
7. Jaksch I. et al.: Diagnostics for Electrical Machines. A final Report of the Grant GACR No. 102/01/1291, Brno University, December 2003 ,124 pp., ISBN 80-214-2540-7
8. Jaksch, I., Fuchs, P., Bílek, M.: The measurement and dynamic analysis of testing equipment for heald frame by the operational deflection shapes. Grant project: 1M0553, Liberec 2006

The responsible researcher of grant project of Grant Agency of the Czech Republic „Diagnostics of electromagnetic properties of electric machines by means of vibration and acoustic fields“ 2001 – 2003. The responsible researcher of 2 FRVS project, 2005, 2006.

The responsible researcher of National Instrument grant, 2004

The founder of Laboratory of technical diagnostics and signal analysis.

The founder of Laboratory of digital image processing

The researcher of 4 research project as cooperation with industry,2005-2006

Reviewer of IEEE world conferences and transactions.

Působení v zahraničí / Stays abroad	Short stay at National Instrumnts, USA, 1999

Obor habilitačního nebo jmenovacího řízení nebo udělení vědecké hodnosti / PhD degree and habilitation - Research area	PhD: measurement and control technique habilitation: measuring technique	**ohlasy publikací / number of SCI citations**	
PhD degree and habilitation - year and institution	Candidate of Sciences (PhD), Czech Technical University in Prague – 1983; assoc. prof. Technical university of Liberec -1995	**mezinár. / international**	**tuzem. / national**
Podpis přednášejícího / Lecturer signature		**Datum / date**	