

Biography

Personal data

Surname (s) / Name (s)	MSc. Radoslav Krehel, Ph.D.
Address	Alexandra Matušku 4, 08001, Prešov
E-mail (s)	radoslav.krehel@gmail.com
Nationality	SR
Date of birth	18.11.1979
Sex	man

Occupation / Field of activities that interest you

Membership on the editorial board of the Journal of Mechanical Science and Technology

Professional experience

From - to	from 2006 - the present
Occupation or position held	six years experience of the researcher
Main activities and responsibilities	laboratories, research projects, undergraduate thesis, dissertations, lectures and seminars with students, the application of research results in the educational process and practice, research activities, teaching activities
Name and address of employer	TU Košice, Faculty of Manufacturing Technologies in Prešov, Sturova 31
Type of business or sector	science and research, education

Education and training

From - to	2003 - 2006
Title of qualification	Ph.D.
Principal subjects / occupational skills	Defense of dissertation
Name and type of organization providing education and training	Technical University of Kosice, Faculty of Manufacturing Technologies in Prešov
Level in national or international classification	3. degree
From - to	1998 – 2003
Title of qualification	MSc. (Ing.)
Principal subjects / occupational skills	State final exam
Name and type of organization providing education and training	Technical University of Kosice, Faculty of Electrical Engineering and Computer Science Košice
Level in national or international classification	Second degree

Personal skills

Mother tongue	Slovak language				
Other (s), language (s)					
<i>Self-assessment</i>					
<i>The European level (*)</i>					
	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken	
English language	B1	B1	B1	B1	B1
German language	B1	B1	B1	B1	B1
(*)Level of Common European Framework (CEF)					
Social skills	good experience gained during the teaching practice and leadership in the diploma thesis				
Organisational skills	good experience of the management teams in dealing with research projects and implementation of research experiments				
Technical skills	excellent knowledge of measurement techniques, diagnostic techniques, automation and control technology				
Computer skills	single user software products for analyzing, modeling, simulation and evaluation				
Other skills	authorization to pursue professional activities of selected electrical equipment				
Driving license	category B				
Competence	electrician certificate of competence no.. 718 / 2002 Z.z. – §21				
Additional information	<ul style="list-style-type: none"> • Projekt: Projects from EU structural funds <p>1. Information and Knowledge Portal for comprehensive management support and quality assurance system VUKONZE Center. Project activities: Center for Research on the effectiveness of combined systems integration of renewable energy sources No: ITMS 26220220103 Co-Ing. Radoslav Krehel', PhD. Duration: 2010 - 2013</p> <p>2. Measurement of dynamic characteristics of actuators based artificial muscles. Project activities: Research and development of intelligent unconventional actuators based artificial muscles No: ITMS 26220220064 Co-Ing. Radoslav Krehel', PhD. Duration: 2010 - 2013</p> <p>3. The development of effective multivalent integrated renewable energy systems according to the needs and demands of consumers. Project activities: Center for Research on the effectiveness of combined systems integration of renewable energy sources</p>				

No: ITMS 26220220103
Co-Ing. Radoslav Krehel', PhD.
Duration: 2010 - 2013

4. International Visegrad Fund's Creative meeting of V4 researchers, PhD students and young PhD's from field research of usage AWJ

ID: 21220321
Conference on post Ing. Radoslav Krehel', PhD.
Duration: 2009 - 2011

B / Grant Projects VEGA

1. The development, implementation and verification of the technical system for optical contactless identification and follow-dimensional correction of tool wear production runs smoothly during manufacturing operations.

Number: 1/0562/08
Project leader: Ing. Radoslav Krehel', PhD.
Duration: 2010 - 2012

2. Innovative development, implementation and verification of the technical system for non-contact optical measurement of vibration and average value of the workpiece during continuous during the manufacturing operations of feedback control.

Number: 1/0008/16
Project leader: Ing. Radoslav Krehel', PhD.
Duration: submitted

3. The development of environmentally benign substitutes cutting fluids.

Number: 4001805 AV
Co-Ing. Radoslav Krehel', PhD.
Duration: 2005 - 2007

4. Experimental investigation of the cutting zone during drilling and milling stainless steels.

Number: VEGA 1/3173/06
Co-Ing. Radoslav Krehel', PhD.
Duration: 2006 - 2008

5. innovative methodologies in the process of identification and evaluation of adverse events in the technology workplace

Number: VEGA 1/0013/11
Co-Ing. Radoslav Krehel', PhD.
Duration: 2011 - 2013

6. Draft procedures and techniques for diagnostifikáciu and forecast of the state of the operating system (VS)

MSc. Radoslav Krehel', Ph.D.

Number: VEGA 1/0544/08
Co-Ing. Radoslav Krehel', PhD.
Duration: 2008 - 2010

7. nonlinear modeling and diagnostics of advanced technological processes in the division hardly machinable materials through DOE Taguchi design.

Number: VEGA 1/4157/07
Co-Ing. Radoslav Krehel', PhD.
Duration: 2007 - 2009

8. Development of methods and technical systems for enhancing the reliability and safety of operation of production systems.

Project ID: 1/2209/05
Co-Ing. Radoslav Krehel', PhD.
Duration: 2006 - 2008

9. Research and development of new methods and technical evaluation systems wear machine nodes.

Project ID: 1/4155/07
Co-Ing. Radoslav Krehel', PhD.
Duration: 2008 - 2010

C / Grant KEGA

1. Innovation laboratory for modeling and evaluation of the operation of manufacturing processes with a focus on the production of components for the automotive industry.

Project ID: 027TUKE-4/2014
Co-Ing. Radoslav Krehel', PhD.
Duration: 2014 - 2016

- Several other projects in which I co-workers
- Paid 52 diploma theses
- Participation in many national and international scientific conferences
- List of publications and citations of the Annex.

**Technical University of Košice
Faculty of Manufacturing Technologies in Prešov
Department of the operation of technological systems**

List of publications and citations

MSc. Radoslav Krehel', Ph.D.

Scientific papers in international journals (database Thomson Reuters, SCOPUS, Web of knowledge)

- 1) Evgenie Aleksandrovich Maksimov, Radoslav Krehel', Martin Pollák. Prospective systems and technologies for the treatment of wastewater containing oil substances / 2015. In: Clean Technologies and Environmental Policy. - 2015 DOI 10.1007/s10098-015-1003-0 (2015), p. 1-10. - ISSN 1618-954X (Current Contents)
- 2) Husseinov Hassan Ahmad, Bagirov Sahib Abbas, Radoslav Krehel' and Marek Kociško. The increased production efficiency and optimization terms of stationarity by flat grinding with abrasive circle surface, Hindawi Publishing Corporation, Volume 2014 (2014), Article ID 108797, 7 pages, <http://dx.doi.org/10.1155/2014/108797>, (Current Contents)
- 3) Korolev AV, Korolev AA, Krehel' R. Character of distribution of the load between the balls in the ball bearings under the action combined of external load. Mechanism and Machine Theory 2014;81:54-61. DOI: 10.1016/j.mechmachtheory.2014.06.011, (Current Contents)
- 4) RADZEVICH Stephen P. - KREHEL', Radoslav: Application priority mathematical model of operating parameters in advanced manufacturing technology (part Two). In: J Adv Manuf Technol, 2012. DOI: 10.1007/s00170-012-3982-x, (Current Contents)
- 5) RADZEVICH Stephen P. - KREHEL', Radoslav: Application priority mathematical model of operating parameters in advanced manufacturing technology. In: J Adv Manuf Technol, 2/2011, 56:835–840, DOI 10.1007/s00170-011-3221-x, (Current Contents)
- 6) Husseinov Hassan Ahmad, Bagirov Sahib Abbas, Radoslav Krehel', Analysis and computational optimization terms of stationarity at flat grinding with abrasive circle surface, In: Machining Science and Technology (approved for printing after error correction) (Current Contents)
- 7) Krehel R, Rimář M. Analysis of incremental measurement of the arm position with actuator. Applied Mechanics and Materials 2014;460:49-56. DOI: 10.4028/www.scientific.net/AMM.460.49 (SCOPUS)
- 8) Straka L', Krehel' R. Determination of the suitability of the method used for evaluation measurement equipment capability. Applied Mechanics and Materials 2014;616:118-25. DOI: 10.4028/www.scientific.net/AMM.616.118, (SCOPUS)
- 9) Krehel' R, Straka L'. Diagnostics of the arm actuator position using incremental measurement. Applied Mechanics and Materials 2014;616:77-84. DOI: 10.4028/www.scientific.net/AMM.616.77 (SCOPUS)
- 10) Krehel' R, Straka L, Krenický T. Diagnostics of production systems operation based on thermal processes evaluation. Applied Mechanics and Materials 2013;308:121-6. DOI: 10.4028/www.scientific.net/AMM.308.121 (SCOPUS)
- 11) Straka L, Čorný I, Krehel' R. Evaluation of capability of measuring device on the basis of diagnostics. Applied Mechanics and Materials 2013;308:69-74. DOI: 10.4028/www.scientific.net/AMM.308.69 (SCOPUS)
- 12) KREHEL', Radoslav: Technical possibilities of diagnostics without disassembly of the technical state of machines currently. InPulp and paper. (SCOPUS) year 64, 10/2010, s. 166-169, ISSN 0031-1421
- 13) KREHEL', Radoslav: Mathematical model of machining process with regulation of particular parameter. In: Acta Technica CSAV. (SCOPUS) vol. 53, no. 4 (2008), p. 355-373. ISSN 0001-7043.
- 14) KREHEL', Radoslav: The current trend in the options condition monitoring of technical state of machinery for paper processing. In: Pulp and paper. (SCOPUS) year 64, 6/2009, s. 166-169, ISSN 0031-1421
- 15) KREHEL', Radoslav: Condition monitoring in the current paper industry. In: Pulp and paper. (SCOPUS), 6/2011, ISSN 0031-1421 (approved and ready for printing)

OTHER

- 16) KREHEL', Radoslav - Greg, Linda: The measurement of forces in turning operations. In: Scientific Bulletin. vol. 20, Series C, Baia Mare North University (2006), p. 209-212. ISSN 1224-3264.
- 17) KREHEL', Radoslav: The sensing system by electric strain GAGES. In: Scientific Bulletin: Serie C. Baia Mare: North University, 2005. s. 387-390. ISSN 1224-3264.

- 18) KREHEL', Radoslav - Hawthorn, Sergei: Non-contact optical identification of the dimensional wear of cutting tools with downstream control over the smooth turning. In: Optics and Fine Mechanics. vol. 52, no. 5 (2007), p. 160-162. ISSN 0447-6441.
- 19) KREHEL', Radoslav: Non-contact optical identification dimensional machine tool wear. In: Techniques. vol. 15, no. 6 (2007), p. 54-55. ISSN 1210-616x.
- 20) KREHEL', Radoslav - DOBRÁNSKY, Joseph optical sensor indirect measurement of cutting tool wear. In: MM. Industrial spectrum. no. 4, (2007), p. 54-55. ISSN 1212-2572.
- 21) KREHEL', Radoslav: Implementation and verification of technical systems for optical contactless identification and subsequent correction of dimensional wear production tool for the efficient conduct of manufacturing operations. In: Electrical engineering in practice. vol. 17, no. May, June (2007), p. 16-18. ISSN 0862-9730.
- 22) DOBRÁNSKY, Joseph - KREHEL', Radoslav - Hatay, Michael - ORLOVSKY, Imrich: Simulation of leaks in the manufacture of thermoplastic products for the automotive industry technonológie by injection molding. In: Plastics and Rubber. vol. 46, no. 9-10 (2009), p. 271-274. ISSN 0322-7340.
- 23) KREHEL', Radoslav: A system for determining the immediate technical condition of rotating machinery during the course of continuous dynamic stress. In: Optics and Fine Mechanics. vol. 52, no. 7-8 (2007), p. 218-219. ISSN 0447-6441.
- 24) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Verification of volumetric melt flow thermoplastic used in automotive products. In: Automobile Industry. vol. 5, no. 1 (2009), p. 40-41. ISSN 1802-5196.
- 25) KREHEL', Radoslav: Simulation determine the duration of corrective feed mill knife. In: Automation. vol. 50, no. 7-8 (2007), p. 459-463. ISSN 0005-125X.
- 26) KREHEL', Radoslav: A system for contactless optical identification. In: Automation. vol. 50, no. 6 (2007), p. 407-409. ISSN 0005-125X.
- 27) KREHEL', Radoslav - DOBRÁNSKY, Joseph - KRENICKÝ, Tibor: Mathematical model of technological processes with prediction of operating Determining value, Acta Technica corviniensis - Bulletin of Engineering, Annals of Faculty of Engineering Hunedoara - International Journal of Engineering, 4 / 2009, p. 39-42, ISSN 1584-2665
- 28) KREHEL', Radoslav: Non-contact optical instrument identification during manufacturing operations. In: Technology and Market. vol. 15, no. 6 (2007), p. 56-58. ISSN 1210-5902.
- 29) KREHEL', Radoslav: vibration monitoring of rotating machinery. In: MM. Industrial spectrum. no. 7.8 (2007), p. 29th ISSN 1212-2572.
- 30) KREHEL', Radoslav: Optical sensors cutting tools. In: Welding, cutting, jointing materials. vol. 5 (9), no. 5-6 (2007), p. 38-40. ISSN 1212 - 4044th
- 31) DOBRÁNSKY, Joseph - KREHEL', Radoslav - MANDULÁK, Dušan: Identifying changes in dimensional accuracy of the statement produced by plastic injection using a planned experiment, comparison of cavities. In: Plastics and Rubber. vol. 44, no. 11-12 (2007), p. 328-330. ISSN 0322-7340.
- 32) KREHEL', Radoslav: Mathematical model of the dimensional wear process of cutting tools with downstream correction. In: Techniques. vol. 15, no. 12 (2007), p. 48-49. ISSN 1210-616x.

- 33) KREHEL', Radoslav - DOBRÁNSKY, Joseph: Design and implementation of the technical condition of bearing measurements using vibrodiagnostického system. In: Optics and Fine Mechanics. vol. 53, no. 3 (2008), p. 80-81. ISSN 0447-6441.
- 34) KREHEL', Radoslav: measuring the impact of angular nesúosostí flexible coupling to the creation of vibration. In: Automation. vol. 51, no. 6 (2008), p. 386-387. ISSN 0005-125X.
- 35) KREHEL', Radoslav: Diagnostic system for the identification of operating status of machinery and equipment. In: Automation, Volume 52, 6 / 2009, p. 378-380, ISSN 0005-125X
- 36) DOBRÁNSKY, Joseph - KREHEL', Radoslav: precision plastic products. In: MM. Industrial spectrum. no. 1.2 (2008), p. 48-49. ISSN 1212-2572.
- 37) KREHEL', Radoslav: Application of capacitive sensors in the control of production processes in operation. In: Electrical engineering in practice. vol. 18, no. July, August (2008), p. 64-67. ISSN 0862-9730.
- 38) DOBRÁNSKY, Joseph - KREHEL', Radoslav: change of technological parameters and its effect on weight of product characteristics for injection molding In Engineering Technology In. The 2010th esp. Issue. Usti n. Labem: FVTM UJEP, 2010. s. 37-40. ISSN 1211-4162.
- 39) KREHEL', Radoslav: universal system of measurement, evaluation, modeling and simulation of vibration in the operation of construction, road and other machinery and equipment. In: Road train. vol. 3, no. 1 (2008), p. 14-16. ISSN 1801-8220.
- 40) KREHEL', Radoslav: Vibration diagnostics: Verify the functionality of the system for measurement, evaluation and simulation of the vibration model of the production operation. In: Welding, cutting, jointing materials. vol. 5 (9), no. 1 (2008), p. 42-43. ISSN 1212-4044.
- 41) MATIJA, Rudolf - KREHEL', Radoslav - MISIK, Ladislav - NOVÁK, Martin: Cutting their learning environment and the quality of machined surfaces for steel milling. In Engineering Technology. The 2010th esp. Issue. Usti n. Labem: FVTM UJEP, 2010. s. 171 -174. ISSN 1211-4162.
- 42) KREHEL', Radoslav - DOBRÁNSKY, Joseph: The application of mathematical approximation in the process of defect correction dimensional cutting tool. In: Optics and Fine Mechanics. vol. 53, no. 5 (2008), p. 150-152. ISSN 0447-6441.
- 43) KREHEL', Radoslav: Computer simulation system for contactless sensing kmitavosti rotating and sliding parts in engineering machinery and equipment. In: Optics and Fine Mechanics. vol. 53, no. 11-12 (2008), p. 298-300. ISSN 0447-6441.
- 44) KREHEL', Radoslav: Technical system for diagnosing the operating condition of machinery. In: Technology and Market. vol. 16, no. 12 (2008), p. 60-61. ISSN 1210-5902.
- 45) KREHEL', Radoslav: Informative diagnosis of functional state of the operating machinery. In: MM Industrial range. Year 2009, 10/2009, p. 56-57, ISSN 1212-2572
- 46) KREHEL', Radoslav: Measurement of the roughness of the optical method during the turning process. In: Technology and Market. vol. 16, no. 7-8 (2008), p. 40-41. ISSN 1210-5902.
- 47) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Analysis of the quality of the oil and measuring the vibration center lathes SV 18RA. In Engineering Technology. The 2010th esp. Issue. Usti n. Labem: FVTM UJEP, 2010. s. 33-36. ISSN 1211-4162.

MSc. Radoslav Krehel', Ph.D.

- 48) KREHEL', Radoslav: Adapting machine elements using the simulation model of flexible machining systems. In: Automation. vol. 51, no. 12 (2008), p. 764-765. ISSN 0005-125X.
- 49) KREHEL', Radoslav: Measurement of surface roughness of the workpiece during the turning process going smoothly. In: Techniques. vol. 16, no. 8 (2008), p. 56-57. ISSN 1210-616X.
- 50) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Evaluation of changes in the switching point of the resulting thermoplastic injection charakteristiky quality product. In: Plastics Production. vol. 4, no. 1 (2009), p. 36-37. ISSN 1802-1549.
- 51) KREHEL', Radoslav Synthesis sensor system operating in the machining process .. In: Electrical engineering in practice. vol. 18, no. November, December (2008), p. 10-12. ISSN 0862-9730.
- 52) Krenický, Tibor-KREHEL', Radoslav: Implementation of virtual tools for diagnosis oscillation of the shaft. In Engineering Technology. The 2010th esp. Issue. Usti n. Labem: FVTM UJEP,The 2010th s. 120 -123. ISSN 1211-4162.
- 53) KREHEL', Radoslav: PLC technology in the manufacturing process. In: Electrical engineering in practice., Volume 19, 1-2/2009, p. 44 to 46, ISSN 0862-9730.
- 54) KREHEL', Radoslav - DOBRÁNSKY, Joseph: The application of simulation in the process of experimental measurements. In: Optics and Fine Mechanics., Volume 54, 11-12/2009, p. 329-331, ISSN 0447-6441.
- 55) KREHEL', Radoslav: Verification of the technical possibilities of diagnostics. In: Technology and Market., Volume 17, 4 / 2009, p. 60-61, ISSN 1210-5902
- 56) KREHEL', Radoslav: Diagnostic factor in controlling the wear of the drill at the production plant. In: Automation., Volume 52, 10/2009, p. 591-592, ISSN 0005-125X
- 57) KREHEL', Radoslav: Indirect identification of the level of surface morphology of the objects. In: Technology and Market., Volume 17, 11-12/2009, p. 66, ISSN 1210-5902
- 58) KREHEL', Radoslav - DOBRÁNSKY, Joseph: Processing and evaluation of data on the morphology machined workpiece surface. In Engineering Technology. The 2010th esp. Issue. Usti n. Labem: FVTM UJEP, 2010. s. 116-119. ISSN 1211-4162.
- 59) KREHEL', Radoslav: Discrete models of technological processes with the prediction value determinants. In: Electronics in practice. Volume 19, 5-6/2009, p. 20-22, ISSN 0862-9730
- 60) KREHEL', Radoslav: Automatized system of measuring and regulation in turning operations. In: MM Science Journal, 3 / 2009, p. 32-39, ISSN 1803-1269
- 61) KREHEL', Radoslav: Discrete-controlled continuous porocesys prediction value limit state dynamickej determinants of delay. In: Optics and Fine Mechanics, Volume 54, 3 / 2009, p. 66-68, ISSN 0447-6441
- 62) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Verification of volumetric melt flow thermoplastic used in automotive products. In: Automobile Industry. vol. 5, no. 1 (2009), p. 40-41. ISSN 1802-5196.

MSc. Radoslav Krehel', Ph.D.

- 63) KREHEL', Radoslav: Proximity control nesúvosti workpiece in dividing and turning. In: Thematic Magazine, Volume 6, 1 / 2009, p. 20-21, ISSN 1214-7990
- 64) KREHEL', Radoslav: Functional status of technical systems using a diagnostic system. In: Technology and Market. Volume 17, 6 / 2009, p. 38-39, ISSN 1210-5902
- 65) KREHEL', Radoslav - DOBRÁNSKY, Joseph Contactless sensing kmitavosti structural parts of machinery and equipment. In: MM industrial spectrum., 11/2009, p. 62-63, ISSN 1212-2572.
- 66) KREHEL', Radoslav: Verification of the technical possibilities of diagnostics. In: Technology and Market, Volume 17, 4 / 2009, p. 60-61, ISSN 1210-5902
- 67) KREHEL', Radoslav: Identification of drill wear in the production process. In: Electrical engineering in practice. Volume 19, 7-8/2009, p. 50-51, ISSN 0862-9730
- 68) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Evaluation of changes in the switching point of the resulting thermoplastic injection qualitative characteristics of the product. In: Plastics Production. vol. 4, no. 1 (2009), p. 36-37. ISSN 1802-1549.
- 69) KREHEL', Radoslav: Diagnostic system for the identification of operating status of machinery and equipment. In: Automation, Volume 52, 6 / 2009, p. 378-380, ISSN 0005-125X
- 70) KREHEL', Radoslav: Informative diagnosis of functional state of the operating machinery. In: MM Industrial range. Year 2009, 10/2009, p. 56-57, ISSN 1212-2572

Scientific papers in domestic journals

- 71) KREHEL', Radoslav: Data for the automatic control state machine tool. In: Automation and CA Systems in Planning and Technology in Manufacturing. London: University, 2005. s. 136-139. ISSN 1335-3799.
- 72) VOJTKO, Imrich - KREHEL', Radoslav: Data processing and control capacity in sensor systems. In: Manufacturing Engineering. year. 5, no. 1 (2006), p. 41-44. ISSN 1335-7972.
- 73) KREHEL', Radoslav - FABIAN, Stanislav: Presentation of the development of a laboratory model for measurement, evaluation, modeling and simulation of vibration in the operation of production systems. In: Manufacturing Engineering. year. 6, no. 3 (2007), p. 89-91. ISSN 1335-7972.
- 74) KREHEL', Radoslav - DOBRÁNSKY, Joseph: The system operating in the diagnosis of the manufacturing process. In: Technology., Volume VII, 9 / 2009, p. 46 to 47, ISSN 1337-0022.
- 75) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Quality control of oil used in machine tools using Tribotechnical diagnostics. In: Tribotechnology. no. 3 (2009), p. 46-47. ISSN 1337-0022.
- 76) ROOFLIGHTS, Joseph - KREHEL', Radoslav - DOBRÁNSKY, Joseph possibility of fixing the technical condition of bearings in robotic devices using vibrodiagnostického system. Acta Mechanica Slovaca. year. 13, no. 2-A (2009), p. 219-224. ISSN 1335-2393.

Scientific papers in international peer-reviewed scientific conference proceedings, monographs

- 77) KREHEL', Radoslav, predictive value of the limit state dynamic determinants of delay in the discrete control processes. In: Operation and diagnostics of machines and production systems operational states: Scientific Papers. Brno: Tribunal EU, 2008. Mr. 108-112. ISBN 978-80-7399-634-5.
- 78) Radoslav KREHEL' - Luboslav Straka: Noninvasive Identification of the Technical Condition of a drill bit in the Production Process, Verlag Germany, volume 4, 2011 (approved for printing after error correction)
- 79) Radoslav KREHEL' - Tibor Krenický: VERIFICATION SYSTEM WITHOUT THE OPERATIONS OF DISMANTLING DIAGNOSIS IN THE PAPER INDUSTRY, Verlag Germany, Volume 3, 2010, p. 13-18, ISBN: 978-3-942303-04-0
- 80) KREHEL', Radoslav: Concrete application latter element production process in operation, In: Scientific Papers 2009, Operation and diagnostics of machines and production systems operational states, volume 2, RAM-Verlag Germany, 2009, p. 93-99, ISBN: 978-3-9802659-8-0.
- 81) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Determination of the operational reliability of the machinery by Tribotechnical diagnostics. In: Wear, reliability, diagnostics 2009: Monograph: Brno, 2009. Brno: Tribunal EU, 2009. Mr. 39-44. ISBN 978-80-7399-847-9.
- 82) KREHEL', Radoslav - Krenický, Tibor: Bound identification of the technical condition of a drill bit in the production process, In: Scientific Papers 2009, Operation and diagnostics of machines and production systems operational states, volume 2, Germany, 2009, . 78-83, ISBN: 978-3-9802659-8-0.
- 83) KREHEL', Radoslav: Profiling machine operating parameters of the a priori element in the process applying the simplification of the mathematical model of a flexible machining system. In: Operation and diagnostics of machines and production systems operational states: Scientific Papers. Brno: Tribunal EU, 2008. Mr. 113-118. ISBN 978-80-7399-634-5.
- 84) Krenický, Tibor-KREHEL', Radoslav: Vibrodiagnostic monitoring of rotating parts using virtual instrumentation. In: Scientific Papers 2009, Operation and diagnostics of machines and production systems operational states, volume 2, Verlag Germany, 2009, p. 16-19, ISBN: 978-3-9802659-8-0.
- 85) Tibor Krenický - Radoslav KREHEL': COMPREHENSIVE APPROACH TO MONITORING OF THE OPERATION TECHNICAL SYSTEMS, Verlag Germany, Volume 3, 2010, p. 8-12, ISBN: 978-3-942303-04-0
- 86) Radoslav KREHEL' - Luboslav Straka: Diagnosis by measuring the forces of production, Verlag Germany, volume 4, 2011 (approved for printing after error correction)

Scientific papers in domestic scientific peer-reviewed conference proceedings, monographs

- 87) BARON, Peter - KREHEL', Radoslav: Application of computer support in the implementation of technical documentation tapered roller bearings in the company ZVL AUTO Ltd. PRES. In: CA Systems and Technologies: 10th International DAAAM Workshop: 12th - 14th December 2005, Strečno Zilina, Slovak Republic. Zilina: University of Zilina, 2005. s. 9-13. ISBN 3-901509-51-8.
- 88) KREHEL', Radoslav - BARON, Peter Capacitive sensors and control precision workpieces. In: New Trends in Technology Operation System: Proceedings of the 7th conference with international participation: Presov, 20th-21st October 2005. Prešov: TU-FVT, 2005. s. 164-167. ISBN 80-8073-382-1.

Published contributions to international scientific conferences

- 89) Matija, Rudolf - KREHEL', Radoslav - Misik, Ladislav - Novák, Martin: Cutting their learning environment and the quality of machined surfaces for steel milling. In 3rd International Scientific Conference, New developments in technology and information technology, 2010 FVTM UJEP. Usti nad Labem. 2010, p. 69 to 69, ISBN 978-80-7414-204-8.
- 90) KREHEL', Radoslav: Diagnostic system for identification of the technical condition of equipment. In: Measuring diagnostic reliability of the systems onboard the aircraft. Volume 9, 10/2009, p. 78 to 83, ISBN 978-80-7231-670-0
- 91) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Analysis of the quality of the oil and measuring the vibration center lathes SV 18RA In International Conference, New developments in technology and technological information, 2010, 2010, p. 22-22 ISBN 978-80-7414-204-8.
- 92) Hloch, Sergei - Müller, Jan - KREHEL', Radoslav: Surface quality statistical evaluation at abrasive waterjet cutting. In: ICAM 2007: Proceedings of the 5th International Conference on Advanced Manufacturing Technologies: Sibiu, July 12-14, 2007. Bucharest: Academy of Technical Sciences of Romania, 2007. Mr. 413-418. ISSN 1843-3162.
- 93) KREHEL', Radoslav - DOBRÁNSKY, Joseph: Processing and evaluation of data on the morphology machined workpiece surface In International Conference, New Findings in technologies and technological information, the 2010th Usti nad Labem. 2010, p. 50 to 50, ISBN 978-80-7414-204-8.
- 94) Krenický, Tibor-KREHEL', Radoslav: Implementation of virtual tools for diagnosis In the shaft vibration of the International Scientific Conference, Usti nad Labem. 2010, 51-52, ISBN 978-80-7414-204-8.
- 95) Krenický, Tibor - KREHEL', Radoslav: Experimental system for operational monitoring of vibrations. In: Proceedings of the International Conference on Manufacturing Systems, p. 161-164, ISSN 1842-3183.
- 96) DOBRÁNSKY, Joseph - KREHEL', Radoslav: Changing the process parameters and its effect on weight of product characteristics for injection molding In: New developments in technology and technological information, the 2010th CDROM: FVTM UJEP. Usti nad Labem. 2010, p. 21-21, ISBN 978-80-7414-204-8.
- 97) KREHEL', Radoslav: Mathematical bound prediction value limit state dynamic determinants of delay in discrete processes control physical processes. In 6th conference on mathematics and physics at the technical universities with international participation. Proceedings, part of the second, edition of 6, 2 / 2009, p. 385-390, ISBN 978-80-7231-667-0
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