

# DEPARTMENT OF QUALITY MANAGEMENT

Faculty of Metallurgy and Materials Engineering

VŠB – Technical University of Ostrava



*2010 – The Annual Activities Review*

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## INTRODUCTORY WORD

*Dear friends,*

*as every year we would like to inform you about main activities of the Department of Quality Management, Faculty of Metallurgy and Materials Engineering, VŠB-Technical University of Ostrava last year.*

*Department of Quality Management is an important university workplace in Czech Republic providing comprehensive education in the quality management specialisation. On the basis of accreditation of Ministry of Education, Youth and Sports the department assures education of specialists in bachelor, master and doctoral study programmes and teaching of specialised subjects for other branches of study at VŠB-Technical University of Ostrava. Members of Department are authors of several books edited by reputable editors. These books are widely used in practice and as study materials for quality management teaching at many of Czech and foreign universities.*

*Research activities of the department are oriented to the development of quality management systems and integrated management systems and development of suitable methodologies, tools and statistical methods for effective application of quality planning and quality improvement. Department members are also involved in the solution of research projects in other branches, where they utilise their specific knowledge. Plentiful is also cooperation with practice, which is oriented to the solution of organization development projects and employee education.*

*Cooperation in organizing of annual conference with international participation KVALITA-QUALITY, arrangement of annual meetings of representatives of departments, teaching quality management, cooperation with foreign universities or publishing of e-journal Q-Magazín are examples of other department activities.*

*Development and successes of Department of Quality Management are closely connected with person of consequence prof. Ing. Jaroslav Nenadál, Ph.D., which was head of department since its establishment in 1992 up to second half of 2009, and continually, with typical enthusiasm and assignment, is fully putting brain to pedagogical and research work. Sincere thanks and acknowledgements belongs to him for this.*

Prof. Ing. Jiří Plura, Ph.D.  
Head of Department of Quality Management  
Faculty of Metallurgy and Materials Engineering  
VŠB-Technical University of Ostrava

### **THE DEPARTMENT MISSION**

*The practical implementation of the quality management philosophy by means of bachelor, master and PhD education, project solving and consultancy offered to various stakeholders is the principal mission of the Department of Quality Management of VŠB-Technical University of Ostrava.*

### **THE DEPARTMENT VISION**

*Also for the future to be the most advanced university workplace of education and special project solving in the field of quality management with regards to the Middle Europe development.*

Ostrava, January 18th, 2001

## **THE DEPARTMENT GOALS FOR THE 2010 YEAR**

In accordance with approved faculty quality policy and faculty quality objectives and with regards to the overall faculty strategy till 2010 the members of Department of Quality Management defined the following department goals for the 2010 year:

### **A. The People Development Field**

1. To reach the submission of the doctoral thesis of one senior lecturer.
2. To try to employ at least one new senior lecturer at the department.

### **B. The Education Field**

1. To finish successfully the PhD studies minimally of 2 postgraduate students till the end of 2010.
2. In the frame of long-life education to organize at least one special course for the companies staff.
3. To maintain the students satisfaction at a level of 85%.
4. To organize the study stay at the foreign university at least for one student of the quality management study branch.
5. To educate at least 20 graduates in the bachelor study and 20 graduates in the master study.
6. To work out e-learning materials for four subjects in the frame of the quality management study branch.

### **C. The Research and Development Field**

1. To require at least one research grant in the field of quality management.
2. To publish at least 3 special publications per one teacher or postgraduate student.
3. To participate in publication of two books in the field of quality management.

Ostrava, January 8th, 2010

Prof. Ing. Jiří Plura, Ph.D.  
Head of Department of Quality Management

# 1 PEDAGOGICAL AND SPECIAL STAFF OF DEPARTMENT

First name, surname, titles e-mail	Phone	Specialization
<b>Jiří Plura, Prof. Ing., Ph.D.</b> <i>(The Head of Department)</i> jiri.plura@vsb.cz	0420/596 994 500	Quality Planning Methods and Tools of Quality Management Computer Aided Quality Management Data Management
<b>Jaroslav Nenadál, Prof. Ing., Ph.D.</b> <i>(Vice-Head of Department)</i> jaroslav.nenadal@vsb.cz	0420/596 994 217	Quality Management Systems Quality Economics Total Quality Management
<b>Josef Tošenovský, Prof. RNDr., Ph.D.</b> josef.tosenovsky@vsb.cz	0420/596 994 178	Probability and Mathematical Statistics Design of Experiments Econometrics
<b>Růžena Petříková, Prof. Ing., Ph.D.</b> ruzena.petrikova@vsb.cz	0420/596 994 458 0420/596 994 211	Quality and Human Factor Quality Management Integrated Management Environment and Safety Management
<b>Darja Noskievičová, Doc. Ing., Ph.D.</b> <i>(Department Secretary)</i> darja.noskievicova@vsb.cz	0420/596 994 503	Statistical Process Control Tools of Quality Management Acceptance Sampling Process Management
<b>Milan Hutýra, Doc. Ing., Ph.D.</b> milan.hutyra@vsb.cz	0420/596 993 714	Quality Management Systems
<b>Petra Halfarová, Ing. Mgr.</b> petra.halfarova@vsb.cz	0420/596 996 352	Probability and Mathematical Statistics Econometrics Change Management
<b>David Vykydal, Ing. Ph.D.</b> david.vykydal@vsb.cz	0420/596 996 320	Quality Management Systems Quality Planning Methods and Tools of Quality Management Computer Aided Quality Management
<b>Michaela Kelblerová, Ing. Bc.</b> michaela.kelblerova@vsb.cz	0420/596 995 759	Methods and Tools of Quality Management Application of Statistical Tools in Quality Management Statistical Process Control
<b>Pavel Klaput, Ing.</b> <i>(PhD Student)</i> kla077@vsb.cz	0420/596 995 758	Quality Planning Methods and Tools of Quality Management

## 2 THE EDUCATION ACTIVITIES

The department guarantees bachelor and master studies within special branch of Quality Management. The department ensures an engineering education for quality management at Faculty of Metallurgy and Materials Engineering, at Faculty of Mining and Geology, at Faculty of Electrical Engineering and Informatics, at Faculty of Safety Engineering and Faculty of Mechanical Engineering. A PhD study is possible to study within study program „Industrial Systems Management”.

### 2.1 The Review of Education Activities at Fulltime and Extramatural Study

Faculty	Year	Kind of Study	Subject (hours per week)	Lecturer
FMME	2.	BF	Theory of Probability (2-2)	Prof. RNDr. J. Tošenovský, Ph.D. Ing. Mgr. P. Halfarová
FMME	2.	BF	Quality and Human Factor (4-2)	Prof. Ing. R. Petříková, Ph.D.
FMME	3.	BF	Computer Aided Quality Management I. (1-2)	Prof. Ing. J. Plura, Ph.D. Ing. D. Vykydal, Ph.D.
FMME	3.	BF	Quality Planning I. (2-2)	Prof. Ing. J. Plura, Ph.D. Ing. D. Vykydal, Ph.D.
FMME	3.	BF	Quality Management (2-2)	Prof. Ing. J. Nenadál, Ph.D. Ing. D. Vykydal, Ph.D.
FMME	3.	BF	Quality Management Systems I. (2-2)	Prof. Ing. J. Nenadál, Ph.D.
FMME	3.	BF	Mathematical Statistics (3-2)	Prof. RNDr. J. Tošenovský, Ph.D. Ing. Mgr. P. Halfarová
FMME	3.	BF	Social Communication (0-2)	Prof. RNDr. J. Tošenovský, Ph.D.
FMME	3.	BF	Basic Statistical Methods for Quality Management (2-2)	Doc. Ing. D. Noskiewičová, Ph.D. Ing. Bc. M. Kelblerová
FMME	3.	BF	Study Field Seminar I. (0-1)	Ing. Mgr. P. Halfarová
FMME	3.	BF	Study Field Seminar II. (0-4)	Ing. Mgr. P. Halfarová
FMME	2.	BE	Theory of Probability (18-0)	Prof. RNDr. J. Tošenovský, Ph.D.
FMME	2.	BE	Quality and Human Factor (12-0)	Prof. Ing. R. Petříková, Ph.D.
FMME	2.	BE	Study Field Seminar (0-4)	Ing. Mgr. P. Halfarová
FMME	3.	BE	Computer Aided Quality Management I. (18-0)	Prof. Ing. J. Plura, Ph.D.
FMME	3.	BE	Quality Planning I. (12-0)	Prof. Ing. J. Plura, Ph.D.
FMME	3.	BE	Quality Management (14-0)	Prof. Ing. J. Nenadál, Ph.D.
FMME	3.	BE	Quality Management Systems I. (12-0)	Prof. Ing. J. Nenadál, Ph.D.
FMME	3.	BE	Mathematical Statistics (18-0)	Prof. RNDr. J. Tošenovský, Ph.D.
FMME	3.	BE	Basic Statistical Methods for Quality Management (12-0)	Doc. Ing. D. Noskiewičová, Ph.D.
FMME	3.	BE	Study Field Seminar I. (0-4)	Ing. Mgr. P. Halfarová



Faculty	Year	Kind of Study	Subject (hours per week)	Lecturer
FMME	3.	BE	Study Field Seminar II. (0-4)	Ing. Mgr. P. Halfarová
FMME	3.	BE	Study Field Practice (0-14)	Ing. Mgr. P. Halfarová
FMME	1.	MF	Computer Aided Quality Management II. (1-2)	Prof. Ing. J. Plura, Ph.D.
FMME	1.	MF	Quality Planning II. (2-2)	Prof. Ing. J. Plura, Ph.D.
FMME	1.	MF	Quality Management Systems II. (2-2)	Prof. Ing. J. Nenadál, Ph.D.
FMME	1.	MF	Mathematical Statistics (3-2)	Prof. RNDr. J. Tošenovský, Ph.D. Ing. Mgr. P. Halfarová
FMME	1.	MF	Design of Experiments (2-1)	Prof. RNDr. J. Tošenovský, Ph.D.
FMME	1.	MF	Econometrics (2-2)	Prof. RNDr. J. Tošenovský, Ph.D. Ing. Mgr. P. Halfarová
FMME	1.	MF	Special Statistical Methods (2-4)	Doc. Ing. D. Noskiewičová, Ph.D.
FMME	1.	MF	Thesis Seminar (0-4)	Doc. Ing. D. Noskiewičová, Ph.D.
FMME	1.	MF	Environment and Safety Management (2-2)	RNDr. A. Labodová, Ph.D. Doc. Ing. M. Smetana, Ph.D. Ing. J. Kodýmová, Ph.D.
FMME	1.	MF	Systems of Information Safety Management (3-2)	Ing. V. Štverka
FMME	2.	MF	Knowledge Management (2-2)	Prof. Ing. R. Petříková, Ph.D.
FMME	2.	MF	Process Management (3-2)	Doc. Ing. D. Noskiewičová, Ph.D.
FMME	2.	MF	Thesis Seminar (0-4)	Doc. Ing. D. Noskiewičová, Ph.D.
FMME	2.	MF	Change Management (3-2)	Ing. Mgr. P. Halfarová
FMME	2.	MF	Technical Standardization and Testing (3-1)	Ing. V. Bartoš, Ph.D.
FMME	1.	ME	Computer Aided Quality Management II. (16-0)	Prof. Ing. J. Plura, Ph.D.
FMME	1.	ME	Quality Planning II. (14-0)	Prof. Ing. J. Plura, Ph.D.
FMME	1.	ME	Quality Management Systems II. (16-0)	Prof. Ing. J. Nenadál, Ph.D.
FMME	1.	ME	Mathematical Statistics (18-0)	Prof. RNDr. J. Tošenovský, Ph.D.
FMME	1.	ME	Design of Experiments (18-0)	Prof. RNDr. J. Tošenovský, Ph.D.
FMME	1.	ME	Econometrics (14-0)	Prof. RNDr. J. Tošenovský, Ph.D.
FMME	1.	ME	Special Statistical Methods (18-0)	Doc. Ing. D. Noskiewičová, Ph.D.
FMME	1.	ME	Thesis Seminar (0-4)	Doc. Ing. D. Noskiewičová, Ph.D.
FMME	1.	ME	Environment and Safety Management (12-0)	RNDr. A. Labodová, Ph.D. Doc. Ing. M. Smetana, Ph.D. Ing. J. Kodýmová, Ph.D.
FMME	1.	ME	Systems of Information Safety Management (16-0)	Ing. V. Štverka
FMME	2.	ME	Knowledge Management (16-0)	Prof. Ing. R. Petříková, Ph.D.

Faculty	Year	Kind of Study	Subject (hours per week)	Lecturer
FMME	2.	ME	Process Management (16-0)	Doc. Ing. D. Noskievičová, Ph.D.
FMME	2.	ME	Thesis Seminar (0-4)	Doc. Ing. D. Noskievičová, Ph.D.
FMME	2.	ME	Change Management (14-0)	Ing. Mgr. P. Halfarová
FMME	2.	ME	Technical Standardization and Testing (14-1)	Ing. V. Bartoš. Ph.D.
FSE	2.	BF	Quality Management I. (2-1)	Prof. Ing. J. Nenadál, Ph.D. Ing. D. Vykydal, Ph.D. Ing. Bc. M. Kelblerová
FSE	3.	BF	Quality Management II. (2-2)	Ing. D. Vykydal, Ph.D.
FSE	2.	BE	Quality Management I. (12-0)	Prof. Ing. J. Nenadál, Ph.D. Ing. D. Vykydal, Ph.D.
FSE	2.	BE	Quality Management (12-0)	Ing. D. Vykydal, Ph.D.
FSE	3.	BE	Quality Management II. (12-0)	Ing. D. Vykydal, Ph.D.
FSE	1.	MF	Total Quality Management (2-2)	Prof. Ing. J. Nenadál, Ph.D.
FSE	1.	ME	Total Quality Management (14-0)	Prof. Ing. J. Nenadál, Ph.D.
FEECS	3.	BF	Quality Management (2-2)	Doc. Ing. M. Hutyra, Ph.D.
FEECS	3.	BE	Quality Management (14-0)	Doc. Ing. M. Hutyra, Ph.D.
FME	2.	ME	The Theory of Quality at Maintenance (10-0)	Prof. Ing. J. Nenadál, Ph.D. Ing. D. Vykydal, Ph.D.
FMG	3.	BF	Quality Management Systems I. (2-2)	Prof. Ing. J. Nenadál, Ph.D.
FMG	3.	BE	Quality Management Systems I. (12-0)	Prof. Ing. J. Nenadál, Ph.D.
FMG	2.	MF	Quality Management (2-2)	Prof. Ing. J. Nenadál, Ph.D. Ing. D. Vykydal, Ph.D.
FMG	2.	ME	Quality Management (12-0)	Prof. Ing. J. Nenadál, Ph.D. Ing. D. Vykydal, Ph.D.
FMG	2.	ME	Quality Management (12-0)	Ing. D. Vykydal, Ph.D.

### Glossary:

**B** – Bachelor study

**M** – Further (master) study

**F** – Full – time study

**E** – Extramural study

**FMME** – Faculty of Metallurgy and Material Engineering

**FMG** – Faculty of Mining and Geology

**FEECS** – Faculty of Electrical Engineering and Computer Science

**FSE** – Faculty of Safety Engineering

**FME** – Faculty of Mechanical Engineering

## 2.2 The defended bachelor thesis within bachelor study „Quality Management“

Graduate	Bachelor Thesis	Supervisor
BARABÁŠOVÁ Věra	Process Analysis of Measurement Satisfaction with Teaching.	Ing. Mgr. P. Halfarová

<b>Graduate</b>	<b>Bachelor Thesis</b>	<b>Supervisor</b>
BLÁHA Petr	Manual Creation about Principles of Computer Communication.	Prof. RNDr. J. Tošenovský, Ph.D.
DĚCKULÁČKOVÁ Ludmila	Application of Selected Simple Statistical and Graphical Methods.	Prof. RNDr. J. Tošenovský, Ph.D.
DLUHOŠOVÁ Lucie	Weakness and Opportunities Analysis in Approach to Continual Improvement of Quality Management System.	Ing. D. Vykydal, Ph.D.
FABIČOVIČ Radek	Corporate Social Responsibility - Analysis of Present State in Plant TŽ, a.s.	Prof. Ing. R. Petříková, Ph.D.
FERENCOVÁ Jana	Quality Management of Purchasing.	Doc. Ing. M. Hutýra, Ph.D.
HAJDOVÁ Patricie	Analysis Method at the Company Visteon - Autopal s.r.o.	Doc. Ing. M. Hutýra, Ph.D.
HAJDOVÁ Radka	Analysis of Control of Nonconforming Product Focused on the Visual Nonconformity.	Ing. Mgr. P. Halfarová
HEJDOVÁ Simona	Employees Satisfaction and Loyalty Measurement.	Ing. Mgr. P. Halfarová
HEŘMÁNKOVÁ Jitka	Corrective Actions Effectivity.	Doc. Ing. D. Noskievičová, Ph.D.
KABÁT Petr	Employees Satisfaction Measurement.	Ing. Mgr. P. Halfarová
KLIMEŠOVÁ Elen *	Using of Simple Statistical and Graphical Methods for Validation of Analytical Method in Chemical Laboratory.	Prof. RNDr. J. Tošenovský, Ph.D.
KOPIČKOVÁ Lenka	Analysis of Customer Satisfaction with New Car Sales and Servicing at Qautoset Centrum ČR plus, s.r.o.	Prof. RNDr. J. Tošenovský, Ph.D.
KOŠTÍŘOVÁ Jana	Measurement System Analysis of Employees and Customer Satisfaction.	Ing. D. Vykydal, Ph.D.
KOŽDOŇ Marek	Analysis and Proposal of Quality Management System Optimization in Slevárny Trinec, a.s.	Ing. D. Vykydal, Ph.D.
KRÁLOVÁ Marie	Statistical Analysis of Ready-made Clothing Sizes.	Prof. RNDr. J. Tošenovský, Ph.D.
LUTZOVÁ Hana	The Possibilities of Quality Inspection Improvement at Production of Packaging Materials Based on Al Foils.	Ing. Bc. M. Kelblerová
MACHÚT Martin	Human Resources Management as the Part of Integrated Management.	Doc. Ing. M. Hutýra, Ph.D.
MARSZALKOVÁ Lenka	Analysis and Optimization of Control of Documents Process in Lexona, s.r.o. Jablunkov.	Ing. D. Vykydal, Ph.D.
MIKOVÁ Iveta, Bc.	The Fuzing of Quality Manuals with Regard to the Standards ISO 9001 and ISO/TS 16949.	Prof. Ing. J. Nenadál, Ph.D.
MITUROVÁ Marcela	Mapping of Internet Information on Six Sigma.	Prof. RNDr. J. Tošenovský, Ph.D.
MLÝNKOVÁ Simona	The Possibilities of Computer Aid during Product Quality Planning.	Prof. Ing. J. Plura, Ph.D.

<b>Graduate</b>	<b>Bachelor Thesis</b>	<b>Supervisor</b>
MONIAKOVÁ Renata	Validation of Education in Process of Training and Professional Qualification of Employees.	Prof. Ing. R. Petříková, Ph.D.
NYTROVÁ Martina	Performance Measurement System Analysis of Selected Processes within Insurance Brokerage Company.	Ing. D. Vykydal, Ph.D.
PAK Irina	The Analysis of Appropriateness and Efficiency of Internal Quality Management System Auditing.	Prof. Ing. J. Nenadál, Ph.D.
POKORNÝ Luděk, Bc.	Heuristics to Analyze Bivariate Data.	Prof. RNDr. J. Tošenovský, Ph.D.
POLICKÝ Jan	External Claims Analysis in Electrotechnical Company.	Ing. Bc. M. Kelblerová
PUCIOVÁ Pavlína	Customer Satisfaction Measurement.	Ing. Mgr. P. Halfarová
ROJÍČEK René	Analysis of Fulfilling ADR/RID Requirements within Integrating Management Systems.	Ing. Mgr. P. Halfarová
SIKOROVÁ Klára	The Possibilities of FMEA Application in the Conditions of Company dealing with Metal Production.	Prof. Ing. J. Plura, Ph.D.
SKÁCEL Lumír	Employees Satisfaction Measurement.	Ing. Mgr. P. Halfarová
SOJKOVÁ Jana	Integration of QMS and EMS.	Doc. Ing. M. Hutyra, Ph.D.
SUCHÁNKOVÁ Kateřina	Importance of Communication for Company Practice.	Prof. Ing. R. Petříková, Ph.D.
ŠABRŠULA Marek	FMEA Analysis and its Updating in Air Cooler Production Process and Control of Realized Action Efficiency.	Ing. D. Vykydal, Ph.D.
ŠKULAVÍKOVÁ Jana	The Application of Selected Basic Statistical and Graphical Methods for Analysis of Internal Non-conforming Products at Trucks Manufacturing.	Prof. Ing. J. Nenadál, Ph.D.
ŠLOSÁRKOVÁ Vendula	Claims Analysis.	Ing. Bc. M. Kelblerová
TATARČÍK Ondřej	The Possibilities of FMEA Use in Plastics Production.	Prof. Ing. J. Plura, Ph.D.
VALOUCHOVÁ Lucie	Review and Design of Quality Inspection System Restructuring in Surgery Sets Production.	Doc. Ing. D. Noskiewičová, Ph.D.
VZIENTKOVÁ Monika	The Analysis of Current Stage of Quality Management System at Organization.	Prof. Ing. J. Nenadál, Ph.D.
WOSKA Bogdan	Analysis of Method of Product Conformity Verification.	Doc. Ing. M. Hutyra, Ph.D.

*\* The thesis by E. Klimešová won the 1st price in the frame of the competition for the Price of František Egermayer awarded by the Czech Society for Quality.*

### 2.3 The defended diploma thesis within engineering study Quality Management

Graduate	Diploma Thesis	Supervisor
AŠEROVÁ Renata, Bc.	Implementation of Problem Solving Methodics.	Ing. Mgr. P. Halfarová
BUJŇÁKOVÁ Lenka, Bc.	Design of the Computerized Evaluation of the Internal Audits in the IMS Field Including Creation of the Suitable Methodology.	Ing. V. Štverka
DARÍČEK Ctirad, Ing.	Verification of Production Process Capability in Krnovské Opravny a Strojírny Company, s.r.o.	Prof. RNDr. J. Tošenovský, Ph.D.
DEKAŘOVÁ Ladislava, Bc.	Implementation of Selfassessment According to CAF at Municipal Authority.	Doc. Ing. M. Hutýra, Ph.D.
DREXLER Pavel, Bc.	Optimization of Glass Run Production using Statistical process Control.	Doc. Ing. D. Noskovičová, Ph.D.
DVOŘÁK Tomáš, Bc.	Quality Planning of Product for Audi.	Prof. Ing. J. Plura, Ph.D.
FORMANDLOVÁ Michaela, Bc.	Interpretation of Selected Elements of Bata Management System in Practice.	Prof. Ing. R. Petříková, Ph.D.
FRÝDL Pavel	Analysis and Improvement of Measurement System of Car Light Products.	Prof. Ing. J. Plura, Ph.D.
GERŽA Michal, Bc.	Optimisation of Quality Manual.	Ing. Mgr. P. Halfarová
GLACOVÁ Jana, Bc.	Optimisation of Technical Inspection Processes and Data Analysis.	Ing. D. Vykydal, Ph.D.
HORÁČKOVÁ Veronika, Bc.	The Analysis of External Failure Cost, Proposal and Accepted Actions Effectiveness Analysis.	Prof. Ing. J. Nenadál, Ph.D.
KANTOR Adam, Bc.	Application of FTA Method at the Improvement of Sampling Process of Agglomerate.	Ing. D. Vykydal, Ph.D.
KAZNICA David	The Application of Selected PPAP Elements to Stamped Part Production Process.	Prof. Ing. J. Plura, Ph.D.
KISIAL David	Customer Satisfaction Measurement with SVODIDLA s.r.o.	Ing. Mgr. P. Halfarová
KLAPUT Pavel, Bc.	Present Approaches to Measurement Systems Analysis.	Prof. Ing. J. Plura, Ph.D.
KLIMO Pavel, Bc.	Benchmarking of Approaches to Evaluation and Selection of Suppliers.	Prof. Ing. J. Nenadál, Ph.D.
KONEČNÁ Kateřina, Bc.	DOE Implementation in the Factory of Continental Automotive Systems Czech Republic, s.r.o., in Frenštát pod Radhoštěm.	Prof. RNDr. J. Tošenovský, Ph.D.
KÖNIGOVÁ Hana	Optimization in Siemens Automobilové Systémy, s.r.o. Frenštát pod Radhoštěm.	Doc. Ing. M. Hutýra, Ph.D.
KOTULLOVÁ Jana, Bc.	The Efficiency and Effectiveness Improvement of Processes at Integrated Management System.	Prof. Ing. J. Nenadál, Ph.D.
KRČMÁŘOVÁ Iva	The System of Problems Solving at the Organization.	Prof. Ing. J. Nenadál, Ph.D.

<b>Graduate</b>	<b>Diploma Thesis</b>	<b>Supervisor</b>
KYJOVSKÁ Soňa, Bc.	Blueprint of Methodology for Environmental Aspects Evaluation in Compliance with the ISO 14001 Standard for MS Office Environment.	Ing. V. Štverka
LAČNÁ Pavlína, Bc.	Design and Implementation of Statistical Process Control for Production of the Selected Engineering Part.	Doc. Ing. D. Noskievičová, Ph.D.
LAKOMÁ Renáta, Bc.	Analysis and Design for Improvement of Mistake Prevention System in Selected Company.	Doc. Ing. D. Noskievičová, Ph.D.
LANCOVÁ Michaela, Bc.	Process Capability Analysis and its Application in Metallurgical Company.	Prof. Ing. J. Plura, Ph.D.
LINDOVSKÁ Martina, Bc.	Contribution to Increase in the Input Inspection Efficiency in Selected Company.	Doc. Ing. D. Noskievičová, Ph.D.
MÁRA Pavel, Bc.	EMS Implementaion at Automotive Supplier.	Doc. Ing. M. Hutyra, Ph.D.
MASNÁ Veronika, Bc.	Application of Advanced Statistical Process Control Methods to Production of Cement-Bonded Particleboard.	Doc. Ing. D. Noskievičová, Ph.D.
MATĚJČÍKOVÁ Petra, Bc.	Audit as Form of Communication and One of Ways of Continuous Improvement in Company.	Prof. Ing. R. Petříková, Ph.D.
MRAJCOVÁ Markéta, Bc.	Analysis of Quality System Management, Proposal and Improvements Realization in Havířovská Teplárenská, a.s.	Ing. D. Vykydal, Ph.D.
MUSILOVÁ Jitka, Bc.	Assessment of Customer Satisfaction.	Doc. Ing. M. Hutyra, Ph.D.
NENIČKOVÁ Lenka, Bc.	Improvement and Integration of Monitoring System of Nonconformity Production.	Ing. D. Vykydal, Ph.D.
NOVOTNÝ Petr	Exploitation of QFD Method in Hayes Lemmerz Autokola, a.s.	Ing. D. Vykydal, Ph.D.
ONDRÁK Martin, Bc.	Use of Statistical Methods in Organization FERRAM, a.s., Division STROJÍRNA.	Prof. RNDr. J. Tošenovský, Ph.D.
PALONCI Kamil	Analysis and Proposal of Education System Improvement in Conditions of Non-destructive Laboratory in Company BONATRANS Group.	Prof. Ing. R. Petříková, Ph.D.
ROJKOVÁ Jana, Bc.	Statistical Data Analysis by the Casting Process.	Doc. Ing. D. Noskievičová, Ph.D.
SLAVÍK Radek, Bc.	Automotive Radiator Leakage Measurement Conditions Optimization.	Doc. Ing. M. Hutyra, Ph.D.
SQUERZI Petr, Bc.	Analysis and Employees Satisfaction Measurement.	Ing. Mgr. P. Halfarová
STOUPENCOVÁ Vendula	System Design Standardization of Workplaces in Company BONATRANS GROUP Inc.	Ing. D. Vykydal, Ph.D.
ŠINDLEROVÁ Martina, Bc.	Design of Monitoring and Evaluation Integrated System of Complaints and Guarantee Overhaul.	Ing. D. Vykydal, Ph.D.

<b>Graduate</b>	<b>Diploma Thesis</b>	<b>Supervisor</b>
ŠOURKOVÁ Eva, Bc.	Application of FMEA for the Production Process of Cooling Unit Component.	Prof. Ing. J. Plura, Ph.D.
TESARČIKOVÁ Petra, Bc.	Corporate Social Responsibility and Environmental Protection - Possibilities of Applications in Practice.	Prof. Ing. R. Petříková, Ph.D.
TMEJ Petr, Bc.	Equipment Acceptance Criteria Setting in Selected Company.	Doc. Ing. D. Noskiewičová, Ph.D.
VALOVÁ Martina, Bc.	Proposal of Utilization and Application of Selected Quality Planning Methods.	Ing. D. Vykydal, Ph.D.
VOTAVA Tomáš, Bc.	Analysis and Statistical Processing of Technological Factors which Influence Blast Turbine Operations during Injection of Supplementary Fuels.	Prof. RNDr. J. Tošenovský, Ph.D.
ZEMEK Jiří	Evaluating of Employees and Employee Motivation.	Ing. Mgr. P. Halfarová
ZVONÍČEK Robert, Bc.	Analysis Customer Value of Bar-Mill Products.	Ing. Mgr. P. Halfarová

## 2.4 PhD Study

<b>PhD Student</b> (Full-time study/ Combined study)	<b>Accepted from</b>	<b>Topic of Thesis</b>	<b>Supervisor</b>
Ing. Martin Folta <i>Combined study</i>	1.10.2000	The Development of Quality Improvement Methodology and its Introducing in Practice.	Prof. Ing. J. Plura, Ph.D.
Ing. Pavel Mollin <i>Combined study</i>	1.10.2000	The Proposal of Quality Management System According to ISO 9001:2000 with Aid of Computer System SAP R/3.	Prof. Ing. J. Plura, Ph.D.
Ing. Roman Maroušek * <i>Combined study</i>	1.10.2000	The Use of Selected System Approaches and Quality Planning Methods for Processes Improvement in the Company Assuring Transport Logistics.	Prof. Ing. J. Plura, Ph.D.
Ing. Alena Maňáková * <i>Combined study</i>	1.10.2001	The Application of EFQM Excellence Model – Self-Assessment Principles and Their Exercise in VDO ČR, s.r.o. Aimed at Increase of Business Processes Performance.	Prof. Ing. R. Petříková, Ph.D.
Ing. Vladimír Bartoš * <i>Combined study</i>	1.10.2001	The Measurement of Tests Methods Uncertainty.	Doc. Ing. M. Jakob, Ph.D.

<b>PhD Student</b> (Full-time study/Combined study)	<b>Accepted from</b>	<b>Topic of Thesis</b>	<b>Supervisor</b>
RNDr. Petr Valošek <i>Combined study</i>	1.10.2002	The Proposal of Quality Management Model at Small and Medium Building Companies.	Prof. Ing. K. Zgodavová, Ph.D.
Ing. Dana Trávničková <i>Combined study</i>	1.10.2002	Measurement, Analysis and Improvement of Health Care Quality, Performance and Economic Efficiency.	Prof. Ing. K. Zgodavová, Ph.D.
Ing. Michal Bohuš * <i>Combined study</i>	1.10.2003	Practical Aspects of Capability Analysis.	Doc. Ing. D. Noskievičová, Ph.D.
Mgr. Petra Halfarová <i>Combined study</i>	1.10.2003	Economic Aspects of Quality Management Tools Selection.	Prof. RNDr. J. Tošenovský, Ph.D.
Ing. Lukáš Mildorf <i>Combined study</i>	1.10.2003	Proposal and Implementation of Modern Approaches to the Performance Increase of the Selected Products Assembly Process.	Doc. Ing. D. Noskievičová, Ph.D.
Ing. Antonín Knápek <i>Combined study</i>	1.10.2003	Communication in Design New Product Process.	Doc. Ing. M. Hutyra, Ph.D.
Ing. Lubomír Lengyel <i>Combined study</i>	1.10.2004	The Modeling and Simulation within Quality Management.	Prof. Ing. K. Zgodavová, Ph.D.
Ing. Lucie Fryšová <i>Combined study</i>	1.10.2004	The Quality Evaluation at the Universities in the Frame of the EFQM Excellence Model.	Doc. Ing. M. Hutyra, Ph.D.
Ing. Šárka Janků * <i>Combined study</i>	1.10.2004	Internal and External Marketing Communication within Quality Management Systems.	Prof. Ing. R. Petříková, Ph.D.
Ing. Czeslaw Kura, MBA <i>Combined study</i>	1.10.2004	The Key Processes of Human Resources Management and their Continuous Improvement in Change Environment.	Prof. Ing. R. Petříková, Ph.D.
Ing. Filip Tošenovský * <i>Combined study</i>	1.10.2004	The Application of Six Sigma Method into Testing Laboratories.	Doc. Ing. M. Jakob, Ph.D.



<b>PhD Student</b> (Full-time study/Combined study)	<b>Accepted from</b>	<b>Topic of Thesis</b>	<b>Supervisor</b>
Ing. Hana Koničková <i>Combined study</i>	1.10.2004	The Meaning of Testing and Measurement Uncertainties Evaluation for Customers Trust Increasing.	Doc. Ing. M. Jakob, Ph.D.
Ing. Lubomír Gogela <i>Combined study</i>	1.10.2005	The Role of Quality Management during Company Change.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Matouš Novák <i>Combined study</i>	1.10.2005	The Design of Quality Management Model Tailored to the Trade Environment of Mining Industry.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Martin Kotásek <i>Combined study</i>	1.10.2006	The Excellence Principles Implementation at Machinery Organizations.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Jan Pokorný <i>Combined study</i>	1.10.2006	The Quality Economy Processes at Automotive Industry.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Renata Przewczková <i>Full-time study /Combined study</i>	1.10.2006	The Use of Quantitative Methods for Individual and Workplace Scientific Level Evaluations.	Prof. RNDr. J. Tošenovský, Ph.D.
Ing. Petr Valášek <i>Combined study</i>	1.10.2006	Synergy of Information Systems at High School Management.	Doc. Ing. M. Hutýra, Ph.D.
Ing. Jiří Wolgemuth <i>Full-time study /Combined study</i>	1.10.2006	The Development of Processes Quality Planning Approaches and their Capability Studies.	Prof. Ing. J. Plura, Ph.D.
Ing. Kateřina Brodecká <i>Full-time study /Combined study</i>	1.10.2006	The Application of Selected Statistical Methods within Conditions of Highly Capable Processes.	Doc. Ing. D. Noskiewičová, Ph.D.
Ing. Marek Polák <i>Combined study</i>	1.10.2007	The Baa's Management System – Its Implementation at Company Practice.	Prof. Ing. R. Petříková, Ph.D.
Ing. Pavlína Penhakerová <i>Combined study</i>	1.10.2008	The Quality Evaluation at Universities.	Doc. Ing. M. Hutýra, Ph.D.

<b>PhD Student</b> (Full-time study/Combined study)	<b>Accepted from</b>	<b>Topic of Thesis</b>	<b>Supervisor</b>
Ing. Petr Tyráček, MBA <i>Combined study</i>	1.10.2008	The Model and Methodology of Processes Continuous Improvement.	Doc. Ing. M. Hutýra, Ph.D.
Ing. Roman Polzer <i>Combined study</i>	1.10.2008	The Development of Innovations at Organizations Management Systems.	Doc. Ing. M. Hutýra, Ph.D.
Ing. Adéla Válková <i>Combined study</i>	1.10.2008	The Importance of Manufacturing Processes at Suppliers from The Point of Consumers.	Prof. RNDr. J. Tošenovský, Ph.D.
Dipl. Ing. Ralf Hostein <i>Combined study</i>	1.7.2008	Requirements Profile for Uniform European Materials Tester (NDT).	Prof. Ing. J. Nenadál, Ph.D.
Ing. Karel Chobot <i>Combined study</i>	1.10.2008	The Possibilities of Six Sigma Strategy Implementation at Selected Departments of The Organization.	Prof. RNDr. J. Tošenovský, Ph.D.
Ing. Zuzana Hreusová <i>Combined study</i>	1.10.2008	The Approaches to Effectiveness Measurement of Process Oriented Management Systems.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Vítězslav Kovář <i>Combined study</i>	1.10.2008	The Process Approach Implementation into Public Service Organizations.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Bc. Michaela Kelblerová <i>Combined study</i>	1.10.2009	Development of the SPC Design Methodology.	Doc. Ing. D. Noskiewiczová, Ph.D.
Ing. Pavel Klaput <i>Full-time study</i>	1.10.2009	Methodical Approaches to Measurement Systems Analysis.	Prof. Ing. J. Plura, Ph.D.
Ing. Marek Gašparín <i>Combined study</i>	1.10.2009	The study of Implementation Quality Management System at Rescue Operating Centers of Fire Brigades.	Doc. Ing. M. Hutýra, Ph.D.
Mgr. Blanka Hrbková Hrudková <i>Combined study</i>	1.10.2009	The Problematic of Quality Management Implementation in the Czech School.	Prof. Ing. R. Petříková, Ph.D.

PhD Student (Full-time study/Combined study)	Accepted from	Topic of Thesis	Supervisor
Ing. Kateřina Kajtová <i>Combined study</i>	1.10.2009	CSR – Realization Evaluation in Conditions of the State Administration.	Prof. Ing. R. Petříková, Ph.D.
Ing. Kateřina Bílecká <i>Combined study</i>	1.10.2009	CSR – Realization Evaluation in Conditions of the SME with the Emphasis on the Environment.	Prof. Ing. R. Petříková, Ph.D.

\* *The Dissertation Thesis was defended successfully in 2009.*

## 2.5 Study stay of students in the frame of ERASMUS

Participants in study stays in the frame of ERASMUS.

Place	Student Name	Type of Study	Semester	Length of Stay	Academic Year
Univerzita Linköping	Anna Pauchová	<i>further (master) study</i>	Winter, Summer	10 months	08/09
Univerzita Linköping	Jan Fridrich	<i>further (master) study</i>	Winter, Summer	10 months	08/09
Univerzita Linköping	Barbora Dezortová	<i>further (master) study</i>	Winter, Summer	10 months	09/10
Univerzita Linköping	Renata Moniaková	<i>further (master) study</i>	Winter, Summer	10 months	09/10

## 3 THE RESEARCH ACTIVITIES AND GRANTS

### 3.1 Internal grant project FMME:

**Project title:** The Development of Quality Planning and Quality Improvement Methods.

**Duration:** 2009

**Responsible person:** Prof. Ing. Jiří Plura, Ph.D.

**The staff included:** Doc. Ing. Darja Noskievičová, Ph.D., Ing. Kateřina Brodecká, Ing. Jiří Wolgemuth, Ing. David Vykydal, Ph.D., Ing. Bc. Michaela Kelblerová

**The project goal and outputs:** The project solution was focused to the development of approaches to product quality planning, process capability analyses in non-standard situations and measurement system analyses, development of statistical process control methods, SPC application for metallurgical production ecological aspects analysis, SPC for high capable processes and control charts economical models.

### 3.2 Internal grant project FMME:

<b>Project title:</b>	The Development of Approaches to Economic Analysis within Quality Management.
<b>Duration:</b>	2009
<b>Responsible person:</b>	Prof. Ing. Jaroslav Nenadál, Ph.D.
<b>The staff included:</b>	Prof. RNDr. Josef Tošenovský, Ph.D., Prof. Ing. Růžena Petříková, Ph.D., Ing. Mgr. Petra Halfarová, Ing. Renata Przczková
<b>The project goal and outputs:</b>	The project goal was design and verification of a new methodology for evaluation of product quality improvement related effects and costs. The methodology of customer value analysis based on comparative analysis of customers perception how the products meet their requirements on the one hand and about the price level on the other hand was developed within the project. Further, the methodology of quality related costs through extended PAF model was developed there. Finally, the special research oriented to possibilities and effects of various excellence models was made approximately at 400 Czech companies, especially focused on EFQM Excellence Model.

### 3.3 Research Plan MSM 6198910019:

<b>Project title:</b>	Reduction of CO <sub>2</sub> Production – DECO <sub>x</sub> Processes.
<b>Duration:</b>	2005 – 2011
<b>Responsible person:</b>	Prof. Ing. Václav Roubíček, Ph.D., Dr.h.c.
<b>The staff included:</b>	Doc. Ing. Darja Noskievičová, Ph.D.
<b>The project goal and outputs:</b>	Minimization of the CO <sub>2</sub> emissions especially with regard to their influence on an environment is the main goal of the project. The main stress is put on the input material, production processes and return of products to anthroposphere. An extraordinary attention is paid to combination of energy sources with regard to the analysis of the CO <sub>2</sub> courses in processes. Development and design of methodology for utilization of the present primary energy resources and technologies including by-products treatment in the context of minimization of CO <sub>2</sub> are the expected outputs.

### 3.4 Research Plan MSM 6198910015:

<b>Project title:</b>	Structural Potentiality and Properties of Intensively Formed Materials.
<b>Duration:</b>	2005 – 2011
<b>Responsible person:</b>	Prof. Ing. Ivo Schindler, Ph.D.
<b>The staff included:</b>	Prof. Ing. Jiří Plura, Ph.D.
<b>The project goal and outputs:</b>	The subject of research activities in the framework of the supposed research plan is study of deformation behavior, structure forming processes and resulting properties of metallic materials in conjunction with advanced methods of their 3D-forming.

### **3.5 The development project of the Ministry of Education, Youth and Sport of Czech Republic and European Social Fund No. CZ.1.07/2.2.00/07.0339**

<b>Project title:</b>	Personalization of Teaching by Means of E-learning.
<b>Duration:</b>	May 2009 - April 2012
<b>Responsible person:</b>	Doc. RNDr. J. Šarmanová, Ph.D.
<b>The staff included:</b>	Prof. Ing. Jiří Plura, Ph.D., Prof. Ing. Jaroslav Nenadál, Ph.D., Prof. RNDr. Josef Tošenovský, Ph.D., Ing. Mgr. Petra Halfarová, Ing. David Vykydal, Ph.D.
<b>The project goal and outputs:</b>	The improvement of university textbooks for 61 technical subjects within the framework of 20 study programs of 3 VŠB-Technical university faculties is the main project objective. The new e-text-books will be processed with using e-learning methods supplemented by multimedia elements and automatic testing.

### **3.6 In the frame of FRVŠ Program the following project was solved (No. 1681/2009/G1):**

<b>Project title:</b>	Creation of the Electronic Examples Collection for the Subjects Oriented to Applied Statistics in the Frame of Study Plans for the Study Field of Quality Management.
<b>Duration:</b>	2009
<b>Responsible person:</b>	Ing. Kateřina Brodecká
<b>The staff included:</b>	Doc. Ing. Darja Noskievičová, Ph.D., Ing. Renata Przewczková, Ing. Jiří Wolgemuth
<b>The project goal and outputs:</b>	The electronic examples collection for the subjects oriented to applied statistics in the frame of study plans for the study field of Quality Management was created.

### **3.7 The research and development project of the Ministry of Education, Youth and Sports of Czech Republic No. 1M06047:**

<b>Project title:</b>	The Center of Quality and Reliability (CQR).
<b>Duration:</b>	2006 – 2009
<b>Responsible person:</b>	Doc. Ing. Radim Briš, Ph.D.
<b>The staff included:</b>	Doc. Ing. Milan Hutýra, Ph.D., Ing. Mgr. Petra Halfarová
<b>The project goal and outputs:</b>	The aim of Quality and Reliability Centre (CQR) is development of method for quality improvement, diagnostic and increasing reliability of products and processes regarding to their application and development of complex analytics method leading the increasing of company competitiveness.

### 3.8 The research and development project of the Ministry of Education, Youth and Sports of Czech Republic No. 19/40/2009

- Project title:** Preservation of Validity of ISO 9001 QMS Certificate and Implementation of Self-assessment According to EFQM Excellence Model.
- Duration:** 2009
- Responsible person:** Doc. Ing. Milan Hutýra, Ph.D.
- The project goal and outputs:** Outputs from the project are:
1. Successfully to pass the ISO 9001 follow up audit and preservation of validity ISO 9001 certificate.
  2. Create the self-assessment report according to EFQM Excellence Model and take the part at Program of the Czech Republic National Quality Award

### 3.9 Project of a publishing of ample monograph „The Integrated Management System“:

The member of Quality Management Department has been guaranteed a publishing of ample monograph, titled The Integrated Management System which is issued in Verlag Dashöfer Publishing Prague since 2005. The basic work includes 600 pages of the text and it was enriched 3 times per 2009 year by additional 130 pages of any revisions. The publication is oriented to various approaches, requirements and processes of integrated management in practice. A lot of specialists from Czech Republic contribute to this monograph regularly.

- Garant projektu:** Prof. Ing. Jaroslav Nenadál, Ph.D.
- Spoluautoři z katedry:** Prof. Ing. Růžena Petříková, Ph.D., Prof. Ing. Jiří Plura, Ph.D.  
Doc. Ing. Milan Hutýra, Ph.D., Doc. Ing. Miloslav Jakob, Ph.D.

## 4 THE SPECIAL EVENTS ORGANIZED BY THE DEPARTMENT

Event name	Type of events	Date	Action chair	Venue	Number of participants
Quality 2009	International conference	19.-20.5. 2009	R. Petříková, Prof. Ing. Ph.D. J. Nenadál, Prof. Ing. Ph.D.	Ostrava	180
Field trip for students of the quality management study field	Field trip	17.4.2009	D. Noskiewičová, Doc. Ing. Ph.D.	Hyundai Motor Manufacturing Czech, Nošovice	25
Field trip for students of the quality management study field	Field trip	24.4.2009	D. Noskiewičová, Doc. Ing. Ph.D.	Hayes Lemmerz Autokola Ostrava-Kunčice	20
Field trip for students of the quality management study field	Field trip	7.5.2009	D. Noskiewičová, Doc. Ing. Ph.D.	Brose CZ Kopřivnice	15

## 5 THE REVIEW OF ACTIVITIES AT SPECIAL EVENTS OUTSIDE THE VŠB - TU OSTRAVA

### 5.1 Abroad

Name	Event name	Type of event	Venue	Date	The lecture's title
J. Nenadál, Prof. Ing. Ph.D.	Q – 2009	<i>International conference</i>	Žilina (Slovakia)	28.-29.4. 2009	Benchmarking – Underestimated Chance for Organization Learning.
M. Hutýra, Doc. Ing. Ph.D.	53rd EOQ Annual Congress – Quality in an Age of Transition	<i>International congress</i>	Dubrovnik (Croatia)	12.-14.5. 2009	Quality Management as the Inherent Part of University Management.
	QMOD '09 (Quality Management and Organizational Development)	<i>International conference</i>	Verona (Italy)	27.-29. 8. 2009	Monitoring and Measurement in the Management System of the University.
	7th China Shanghai International Symposium on Quality and Forum of International Academy for Quality	<i>International symposium</i>	Shanghai (China)	3.-5.11. 2009	Quality Management System According to ISO 9001 as the Basis of Quality Assurance at VŠB-Technical University of Ostrava.
J. Tošenovský, Prof. RNDr. Ph.D.	University of Cádiz, Faculty of Mechanical Engineering	<i>Set of lectures</i>	Cádiz (Spain)	20.4.-3.5. 2009	1. How to Determine the Process Performance in Six Sigma (Measure Outcome, Measure Variation). 2. How to Calculate the Sigma Metrics. Training for the Laboratory Application. The Implementation of Six Sigma (methodology).

## 5.2 Inland

Name	Event name	Type of event	Venue	Date	The lecture's title
J. Nenadál, Prof. Ing. Ph.D.	The Customer's Day of the Certification Body n. 3001	<i>Customer's Day</i>	Praha	28.1.2009	The Tools and Trends of Management Systems.
	The Management by Processes at Ministry of Internal Affairs of Czech Rep.	<i>Course</i>	Praha	11.-12.2. 2009	<i>the leading the course</i>
	The Customer's Day of the Certification Body CQS	<i>Customer's Day</i>	Praha	15.4.2009	The Process Management as a Tool of Sustainable Organization Access.
	The Customer's Day of the Certification Body CQS	<i>Customer's Day</i>	Praha	15.4.2009	The Self-assessment as a Tool of Sustainable Organization Access.
	The QUALIFORM Staff Workshop	<i>Workshop</i>	Vyškov	23.9.2009	The Competence of Audit Teams.
	The Controlling and Relationships with Suppliers	<i>Course</i>	Praha	13.10.2009	The Partnership with Suppliers – Challenge and Opportunity.
M. Hutýra, Doc. Ing. Ph.D.	Month of Quality – November 2009	<i>Seminar</i>	Ostrava	25.11.2009	International Symposium about Quality - Shanghai 2009.
J. Plura, Prof. Ing. Ph.D.	Quality 2009	<i>Seminar</i>	Ostrava	19.-20.5. 2009	Present Approaches to FMEA Application.
	Month of Quality – November 2009	<i>Seminar</i>	Ostrava	25.11.2009	Measurement System Analysis as Integral Part of Quality Decision Based on the Facts.
R. Petříková, Prof. Ing. Ph.D.	Human Resources in Energetics	<i>Seminar</i>	Praha	22.9.2009	The Education of People for the Energy Future.
	Controlled Quality in Health and Social Care Sphere	<i>International conference</i>	Ostrava	23.9.2009	CSR in the Health and Social Care.



Name	Event name	Type of event	Venue	Date	The lecture's title
R. Petříková, Prof. Ing. Ph.D.	The Enterprise in the Area of the Economical Stagnation	<i>Seminar</i>	Třinec	22.10.2009	The Education for Future.
	The Present Trends in Quality Management	<i>Seminar</i>	Zlenice	13.-14.11.2009	The People in Improvement Processes of QMS – Topical Trends.
	Month of Quality – November 2009	<i>Seminar</i>	Ostrava	25.11.2009	The New Quality in Technical Education.
	Human Resource Manager	<i>Course</i>	Ostrava	2009	Importance and Main Tasks of HRM.
	Human Resource Manager	<i>Course</i>	Ostrava	2009	New Equipments at HRM Area.
	Quality Manager	<i>Course</i>	Ostrava	2009	Problems of IMS – Present Trends.
	Quality Manager	<i>Course</i>	Ostrava	2009	Problems of HRM into IMS.
D. Noskievičová, Doc. Ing. Ph.D.	Quality 2009	<i>International conference</i>	Ostrava	19.-20.5.2009	Economical Aspects of Statistical Process Control.
	Month of Quality – November 2009	<i>Seminar</i>	Ostrava	25.11.2009	The Development of the SPC Methodology with Respect to Practical Aspects.
J. Tošenovský, Prof. RNDr. Ph.D.	Month of Quality – November 2009	<i>Seminar</i>	Ostrava	25.11.2009	The Most Frequent Mistakes during Implementation of Six Sigma and its Consequences.
D. Vykydal, Ing. Ph.D.	Manufacturing Technology - Pilsen 2009	<i>International conference</i>	Plzeň	21.-22.1.2009	Some Problems of Quality Management in Czech Organizations.
K. Brodecká, Ing.	ASŘ 2009 – XXXVI.	<i>Seminar</i>	Ostrava	24.9.2009	Special Tools and Methods Used in QMS – Step by Step.

Name	Event name	Type of event	Venue	Date	The lecture's title
K. Brodecká, Ing.	Month of Quality – November 2009	<i>Seminar</i>	Ostrava	19.-20.5. 2009	Computer Aided Education of Subjects Focused on Applied Statistics in the Frame of Quality Management Study Field.
P. Klaput, Ing.	Internal Ph.D. Day – FMME 2009	<i>Seminar</i>	Ostrava	8.12.2009	Approaches to Measurement Systems Analysis.

## 6 THE PUBLICATIONS

### 6.1 Books

**PETŘÍKOVÁ, R. - SZURMAN, R.:** *The Importance of Responsible Management for Quality Processes and Production. [In Czech]* Chapter in Book: „The Efficiency of Innovation“, University of Pardubice, (ISBN 978-80-2512771-1).

### 6.2 Textbooks

**PLURA, J.:** *Methods QFD and FMEA and their Applications. [In Czech]* Textbook, Ostrava: VŠB-TU Ostrava, 2009, 37 pp.

### 6.3 Proceeding's Articles from Scientific Conference

**BRODECKÁ, K. - PRZECZKOVÁ, R. - WOLGEMUTH, J. - NOSKIEVIČOVÁ, D.** *Special Tools and Methods Used in QMS – Step by Step.* In: Seminar proceedings „ASŘ 2009“. VŠB-TU Ostrava, pp. 11, ISBN 978-80-248-2011-8.

**HUTYRA, M:** *Quality Management as the Inherent Part of University Management.* In: Congress proceedings „53. EOQ Congress“. Dubrovnik – Croatia, May 2009, session E-1 Knowledge is power.

**HUTYRA, M:** *Monitoring and Measurement in the Management System of the University.* In: Conference proceedings „12. International Conference QMOD '08“. Verona (Italy), August 2009, University of Verona, ISBN 978-88-904327-0-5.

**HUTYRA, M.:** *Quality Management System According to ISO 9001 as the Basis of Quality Assurance at VŠB-Technical University of Ostrava.* In: Symposium proceedings „7. China Shanghai International Symposium on Quality and Forum of International Academy for Quality“. Shanghai (China), November 2009, Session 8: Management System Certification and Integration.

**KLAPUT, P.:** *Approaches to Measurement Systems Analysis.* In: Seminar proceedings „Internal PhD Day - FMME“, VŠB – TU Ostrava, 2009. ISBN 978-80-248-2129-0.

**NENADÁL, J.:** *Benchmarking – Omitted Opportunity for Organization Learning. [In Czech]* In: Conference proceedings „11. International Conference Q-2009“. Žilina (Slovakia). Žilinská univerzita. pp. 73 – 80., ISBN 978-80-970139-0-5.

**NENADÁL, J. - VYKYDAL, D.:** *Some Problems of Quality Management in Czech Organizations. [In Czech]* In: Conference proceedings „III. International Conference „Manufacturing Technology - Pilsen 2009“. January 2009, ISBN 978-80-7043-750-6.

**NOSKIEVIČOVÁ, D. - BRODECKÁ, K. - PRZECZKOVÁ, R. - WOLGEMUTH, J.:** *Computer Aided Education of Subjects Focused on Applied Statistics in the Frame of Quality Management Study Field. [In Czech]* In: Conference proceedings „Quality 2009“. DTO CZ, s. r. o., Ostrava, pp. 42. ISBN 978-80-02-02153-7.

**NOSKIEVIČOVÁ, D.:** *Economical Aspects of Statistical Process Control. [In Czech]* In: Conference proceedings „Quality 2009“. DTO CZ, s. r. o., Ostrava, ISBN 978-80-02-02153-7.

**PETŘÍKOVÁ, R.:** *The People in Improvement Processes of QMS – Topical Trends. [In Czech]* In: Seminar proceedings „The Present Trends in Quality Management“, NPK 2009, ISBN 978-80-7265-186-3.

**PETŘÍKOVÁ, R. - HOFBRUCKEROVÁ, Z.:** *Social Responsibility in the Health and Social Care. [In Czech]* In: Conference proceedings „Controlled Quality in Health and Social Care Sphere“, DTO CZ 2009, ISBN 978-80-02-02178-0.

**PLURA, J.:** *Present Approaches to FMEA Application. [In Czech]* In: Conference proceedings „Quality 2009“. DTO CZ, s. r. o., ISBN 978-80-02-02153-7.

#### 6.4 Journals' Articles

**BRODECKÁ, K. - PRZECZKOVÁ, R. - WOLGEMUTH, J. - NOSKIEVIČOVÁ, D. - MAHDAL, M.:** *Selected Tools and Methods from Quality Management Field.* Transactions of VŠB – Technical University of Ostrava. Mechanical Series. Vol. LV, No. 2, 2009, pp. 13-16. ISBN 978-80-248-2144-3 (reviewed journal).

**DÄNEMARK, J. - KUBINA, T. - KUBÍKOVÁ, D. - HALFAROVÁ, P.:** *Model of Prediction of Mechanical Properties of Rolled Wire Based on Empirical Experience.* Hutnické listy No. 4, Vol: LXII, 2009, ISSN 1803-9138.

**HALFAROVÁ, P.:** *Experiences with Customers (Students) Satisfaction Measurement. [In Czech]* Kvalita pro život, December 2009, Vol. X, No. 2, ISSN 1803-9138.

**KAWULOK, P. - SCHINDLER, I. - PLURA, J. - RUSZ, S. - LEGERSKI, M. - KUBINA, T.:** *Influence of Forming Parameters on Forward Slip at the Laboratory Cold Rolling of Selected Non-ferrous Metals.* Hutnické listy, 2009, No. 4, pp. 20-23, ISSN 0018-8069.

**KRÁLOVÁ, M. - TOŠENOVSKÝ, J.:** *Statistical Analysis of Ready-made Clothing Size. [In Czech]* Kvalita pro život, December 2009, No. 2, Vol. X, pp.10-14. ISSN 1803-9138.

**NENADÁL, J.:** *How to Start with Benchmarking? Part 1. [In Czech]* Kvalita No. 2/2009, pp. 22 – 29, ISSN 1335-9231

**NENADÁL, J.:** *How to Start with Benchmarking? Part 2. [In Czech]* Kvalita No. 3/2009, pp. 17 – 23, ISSN 1335-9231

**NENADÁL, J.:** *How to Perform Benchmarking Effectively? Part 1. [In Czech]* Kvalita No. 4/2009, pp. 6 – 13, ISSN 1335-9231

**NOSKIEVIČOVÁ, D.:** *Statistical Analysis of the Blast Furnace Process Output Parameter using ARIMA Control Chart with Proposed Methodology of Control Limits Setting.* Metallurgy. 2009, g. 48, br. 4, pp. 281-284. ISSN 0543-5846 (print), 1334-2576 (online).

**NOSKIEVIČOVÁ, D. - BRODECKÁ, K. - PRZECZKOVÁ, R. - WOLGEMUTH, J.:** *Computer Aided Education of Subjects Focused on Applied Statistics in the Frame of Quality Management Study Field. [In Czech]* Kvalita pro život. Vol. X, No. 2, 2009, 43-45. ISSN 1803-9138.

**PETŘÍKOVÁ, R. - SZURMAN, R.:** *The Importance of Responsible Management for Quality Processes and Production. [In Czech]* KVALITA (SR) Vol. XVII, 3/2009, ISSN 1335-9231.

**PETŘÍKOVÁ, R.:** *The Changes of Europe 2010. [In Czech]* KOMORA.cz, HK ČR, 11/2009, ISSN 1802-1247.

**PETŘÍKOVÁ, R.:** *5. Meeting of Special Committee „Quality in Education“ of the Czech Republic Quality Board. [In Czech]* Kvalita pro život, DTO CZ, Vol. X, 2/2009, ISSN 1803-9138.

**PLURA, J.:** *The Use of QFD for Die Forging Process Quality Planning.* Hutnické listy, 2009, No. 6, pp. 126 – 130, ISSN 0018-8069.

**SZURMAN, R. - PETŘÍKOVÁ, R.:** *The Importance of Responsible Management for Quality Processes and Production. [In Czech]* Kvalita pro život, DTO CZ, Vol. X, 1/2009, ISSN 1803-9138.

## 6.5 Other Publications

**NOSKIEVIČOVÁ, D.:** *The Development of the SPC Methodology with Respect to Practical Aspects. [In Czech]* Inaugural lecture syllabus. FMME, VŠB-TUO Ostrava, 2009, 43 pp.

## 6.6 Others

**HUTYRA, M. - LIČKOVÁ, H.:** *Quality 2009. [In Czech]* Kvalita pro život, Vol. X (2009) No. 2, pp. 7-9, ISSN 1803-9138.

**PETŘÍKOVÁ, R.:** *Quality 2009. [In Czech]* Akademik (Paper of VŠB-TU Ostrava), Vol. XIII, 6/2009, ISSN 1213-8916.

**PETŘÍKOVÁ, R.:** *The Personal Confession. [In Czech]* Perspektivy jakosti, Vol. 1/2009, ČSJ Praha, ISSN 1214-8865.

**PETŘÍKOVÁ, R.:** *The First Managers of MCI Study in CR. [In Czech]* Akademik (Paper of VŠB-TU Ostrava), Vol. XIII, 6/2009, ISSN 1213-8916.

## 7 THE REVIEWS, EXPERTISES

### 7.1 The Appointment to Professor

Name	University	Assessor
Doc. Ing. Hana Pačaiiová, Ph.D.	The Technical University of Košice	Prof. Ing. J. Nenadál, Ph.D.

### 7.2 The Habilitation Thesis

Name	University	Topic	Assessor
Ing. Jena Švarcová, Ph.D.	Tomas Bata University in Zlín	How the Economical Crisis Influences Enterprises in the Area of the Knowledge Management.	Prof. Ing. R. Petříková, Ph.D.

### 7.3 PhD Thesis

PhD Student	University	Topic	Assessor
Ing. Šárka Janků	VŠB-TU Ostrava	The External and Internal Marketing Communication within the Frame of Quality Management System.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Roman Maroušek	VŠB-TU Ostrava	The Use of Selected System Approaches and Methods of Quality Planning within Processes Improvement at Organization Providing Transportation Service.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Tomáš Soldán	VŠB-TU Ostrava	The Evaluation of the Transformation Processes of Power Machines and Facilities in Terms of Tools Application for Their Process Improvement and Waste Reduction.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Milan Čuraj	University of Žilina	The Effectiveness of Processes at Road Maintenance.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Peter Časnocha	University of Žilina	The Asset Management at Road Administrative.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Štěpán Kmoníček	Czech Technical University in Prague	The Effectiveness of Integrated Quality Management System of an Organization.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Paulína Krnáčová	University of Economics in Bratislava	The Analysis of Quality Related Costs.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Daniel Štěrba	University of West Bohemia in Pilsen	The Design of Methodology for Support of Company Buying Decisions on Basis of Exact Methods.	Prof. Ing. J. Nenadál, Ph.D.

PhD Student	University	Topic	Assessor
Ing. Petr Frank	Brno University of Technology	The Optimal Accuracy of Measurement Assurance in Accordance with Metrological Confirmation.	Prof. Ing. J. Nenadál, Ph.D.
Ing. Alena Maňáková	VŠB-TU Ostrava	The Application of EFQM Excellence Model – Self-Assessment Principles and Their Exercise in VDO ČR, s.r.o. Aimed at Increase of Business Processes Performance.	Doc. Ing. M. Hutýra, Ph.D.
Ing. Petr Mikulec	Tomas Bata University in Zlín	Methods of Industrial Engineering and Production Logistics as Instruments of Performance Escalation in Plastic Production.	Prof. Ing. R. Petříková, Ph.D.
Mgr. Božena Sejkorová	Tomas Bata University in Zlín	New Forms of Job Organization, New Productions System and Increasing of Company Performance.	Prof. Ing. R. Petříková, Ph.D.
Ing. Jindřiška Ondráčková	Tomas Bata University in Zlín	Optimalization of the Control System of Innovation Processes.	Prof. Ing. R. Petříková, Ph.D.
Ing. Aleš Kubant	Tomas Bata University in Zlín	Integration of Basic Pillars of Continuous Improvement in the non-production Companies in Central and Easter Europe.	Prof. Ing. R. Petříková, Ph.D.
Ing. Jitka Smutná	VŠB-TU Ostrava	Managerial Support for Quality Management Systems.	Doc. Ing. D. Noskiewičová, Ph.D.

#### 7.4 Solved and Proposed Projects

Project title	Project leader	The review made for	Assessor
Design of module for assembly lines balancing through digital company concept. <i>(proposal)</i>	Ing. Radovan Furmann, Ph.D.	Slovak Research and Development Agency Bratislava	Prof. Ing. J. Nenadál, Ph.D.
Quality of Temperature and Hardness Measurement Processes. <i>(proposal)</i>	Doc. Ing. Milan Havlík, Ph.D.	Scientific Grant Agency (Slovak Republic)	Prof. Ing. J. Plura, Ph.D.
Causal Models of Innovations of Processes in Small Companies during Economical Recession. <i>(proposal)</i>	Doc. Ing. Martin Mizla, Ph.D.	Scientific Grant Agency (Slovak Republic)	Doc. Ing. D. Noskiewičová, Ph.D.

Project title	Project leader	The review made for	Assessor
Increasing of Tertiary Sector Performance through Development of Methodology for Application of System Management with Emphasis on Process Management. <i>(proposal)</i>	Doc. Ing. Andrej Šutaj-Eštok, Ph.D.	Scientific Grant Agency (Slovak Republic)	Doc. Ing. D. Noskievičová, Ph.D.

## 7.5 Publications

Publication title	Author	Kind of publication	Reviewer
Ethics and Corporate Responsibility.	H. Krymláková et al.	Lecture notes	Prof. Ing. R. Petříková, Ph.D.
Asset Management.	Mária Trojanová	Book	Prof. Ing. J. Nenadál, Ph.D.

## 7.6 Journal articles

Article Title	Author	Article for Journal	Reviewer
Increasing of Process Quality using Planning Instruments.	nonpublished	Automa	Doc. Ing. D. Noskievičová, Ph.D.

## 8 THE CO-OPERATION WITH PRACTICE

Action	Customer	Supplier
The special course „Implementing of Quality Management System according to ISO 9001 in University Environment“.	Silesian University in Opava	Doc. Ing. M. Hutýra, Ph.D.
The special course „Methods QFD and FMEA and their Applications“.	DSD-Dostál Přerov	Prof. Ing. J. Plura, Ph.D.
The special course „Manager’s Communication and the Solution of Conflicts“.	ELLA-CS, s.r.o. Hradec Králové	Prof. Ing. R. Petříková, Ph.D.

## 9 THE ACTIVITIES IN THE CERTIFICATION BODY ACM DTO CZ

The department has already participated in founding of certification body for personal certification ACM with The House of Technology Ostrava in 1995. This certification body has been accredited for these functions:

### For the Field of Quality

Quality Manager  
Quality Professional  
Quality Auditor

### For the Field of Environmental Management

Manager and Auditor EMS

**For the Field of Standardization**

Standardization Manager

**For the Field of Testing**

Leader of Testing Laboratories

Special Technician of Testing Laboratories

Quality Manager of Testing Laboratories

**For the Field of Diagnostics**

Technical Diagnosticion Tribodiagnosics

Technical Diagnosticion Vibrodiagnosics

Technical Diagnosticion Termodiagnosics

Technical Diagnosticion of Assembly and Optical Measurements

**For the Field of Occupational Health and Safety**

HSMS System Manager

HSMS System Auditor

**The Certification Management Systems Consultants**

Quality Management Systems Consultant for the Field of Quality Management and/or EMS and/or HSMS

Quality Management Systems Leader Consultant for the Field of Quality Management and/or EMS and/or HSMS

**For the Field of Creativity and Innovations Management**

Creativity and Innovations Manager

**For the Field of Human Resource Management**

Human Resource Manager

118 persons were certified and 65 holders of certification were recertified in 2009 for these functions:

<b>Function</b>	<b>Certified</b>	<b>Recertified</b>
Quality Manager	12	11
Quality Auditor	18	15
Quality Manager of Testing Laboratories	1	0
Manager EMS	12	1
Auditor EMS	10	13
Technical Diagnosticion	43	7
HSMS System Manager	1	8
HSMS System Auditor	9	10
Human Resource Manager	1	0
Creativity and Innovations Manager	11	0
<b>TOTAL</b>	<b>118</b>	<b>65</b>



## 10 THE REPRESENTATION AT ACADEMIC OR EXPERT BODIES

### 10.1 At VŠB – Technical University Ostrava

Expert (Academic) Bodies	Representative	Membership
Scientific board FMME	Prof. Ing. J. Nenadál, Ph.D.	<i>member</i>
Scientific board FSE	Prof. Ing. J. Nenadál, Ph.D.	<i>member</i>

### 10.2 Beyond VŠB – Technical University of Ostrava

Expert (Academic) Bodies	Representative	Membership
Faculty of Mining, Ecology, Process Control and Geotechnology, Technical University of Košice	Prof. Ing. J. Plura, Ph.D.	<i>chairman of the examining board for final state exams</i>
Faculty of Mechanical Engineering, University of Žilina	Prof. Ing. J. Nenadál, Ph.D.	<i>chairman of the examining board for final state exams</i>
Alexander Dubcek University of Trenčín	Prof. Ing. R. Petříková, Ph.D.	<i>chairman of the examining board for final state exams</i>
Tomas Bata University in Zlín	Prof. Ing. R. Petříková, Ph.D.	<i>member of the field study board for PhD study</i> <i>member of the board for defense of theses</i> <i>member of the examining board for PhD state exams</i>
Faculty of Mechanical Engineering, Technical University of Košice	Prof. Ing. R. Petříková, Ph.D.	<i>member of the examining board for final state exams</i>
The journal „Kvalita. Inovácia. Prosperita“	Prof. Ing. J. Nenadál, Ph.D. Prof. Ing. R. Petříková, Ph.D.	<i>members of edition board</i>
The journal „Kvalita pro život“	Prof. Ing. J. Nenadál, Ph.D. Prof. Ing. J. Plura, Ph.D. Prof. Ing. R. Petříková, Ph.D. Doc. Ing. D. Noskovičová, Ph.D.	<i>members of edition board</i>
The journal „Zpravodaj ČSVTS“	Prof. Ing. R. Petříková, Ph.D.	<i>member of edition board</i>
The journal „Perspektivy jakosti“	Prof. Ing. R. Petříková, Ph.D.	<i>member of edition board</i>
Management Press Prague	Prof. Ing. J. Nenadál, Ph.D.	<i>member of scientific edition board</i>
III. European Conferency „Wyzwania dla wspolczesnego przedsiebiorstwa w dobie globalizacji“, Warsaw	Prof. Ing. J. Nenadál, Ph.D.	<i>draft committee member</i>
Scientific Council - 7th International Congress CIMQUSEF 2010, Casablanca	Doc. Ing. M. Hutyra, Ph.D.	<i>member</i>
Scientific Council - 6th International Congress CIMQUSEF 2009, Rabat	Doc. Ing. M. Hutyra, Ph.D.	<i>member</i>
The Certification Body ACM DTO CZ	Prof. Ing. J. Nenadál, Ph.D.	<i>chairman</i>

<b>Expert (Academic) Bodies</b>	<b>Representative</b>	<b>Membership</b>
The Certification Body ACM DTO CZ	Prof. Ing. J. Plura, Ph.D.	<i>chief auditor member of committee for personal certification chairman of programme committee</i>
The Certification Body ACM DTO CZ	Prof. Ing. J. Nenadál, Ph.D. Prof. Ing. J. Plura, Ph.D. Prof. Ing. R. Petříková, Ph.D. Doc. Ing. D. Noskievičová, Ph.D. Prof. RNDr. J. Tošenovský, Ph.D. Doc. Ing. M. Hutýra, Ph.D.	<i>members members of evaluation committee</i>
The Certification Body SKQS Žilina	Prof. Ing. J. Nenadál, Ph.D.	<i>member of managing board</i>
Quality Board of Czech Republic	Prof. Ing. R. Petříková, Ph.D.	<i>vice-chairman</i>
Expert Section of Quality Board of Czech Republic	Prof. Ing. R. Petříková, Ph.D.	<i>chairman</i>
Expert Section of Quality Board of Czech Republic – Quality in Education	Prof. Ing. J. Nenadál, Ph.D.	<i>vice-chairman</i>
Czech Society for Quality	Prof. Ing. J. Nenadál, Ph.D. Prof. Ing. R. Petříková, Ph.D. Prof. RNDr. J. Tošenovský, Ph.D. Prof. Ing. J. Plura, Ph.D. Doc. Ing. M. Hutýra, Ph.D.	<i>members</i>
European Foundation for Quality Management Brusel	Prof. Ing. J. Nenadál, Ph.D.	<i>Representative of VŠB-TU Ostrava</i>
Technical Committee for Standardization No. 6 – Quality Management (Czech Institut for Standardization)	Prof. Ing. J. Nenadál, Ph.D.	<i>member</i>
Scientific Council of Faculty of Management, GWSH Katowice	Prof. Ing. J. Nenadál, Ph.D.	<i>member</i>
Czech Management Association	Prof. Ing. R. Petříková, Ph.D.	<i>member</i>
The Czech Union of VTS Prague	Prof. Ing. R. Petříková, Ph.D.	<i>member</i>
The International Association for Statistical Computing (IASC)	Prof. RNDr. J. Tošenovský, Ph.D.	<i>member</i>
The Union of Czech Mathematicians and Physicists	Prof. RNDr. J. Tošenovský, Ph.D.	<i>member</i>

## **11 THE ACTIVITIES WITHIN BOARDS FOR APPOINTMENT TO PROFESSOR AND HABILITATIONS BOARDS**

<b>University, Faculty</b>	<b>Board</b>	<b>Applicant</b>	<b>Members of the board</b>
VŠB – TU Ostrava	<i>for appointment to professor</i>	Doc. Ing. Darja Noskievičová, Ph.D.	Prof. Ing. J. Nenadál, Ph.D. – <i>chairman</i> Prof. RNDr. J. Tošenovský, Ph.D. – <i>member of the board</i>

University, Faculty	Board	Applicant	Members of the board
VŠB – TU Ostrava	<i>for habilitation boards</i>	Ing. Soňa Hurná, Ph.D.	Prof. Ing. J. Nenadál, Ph.D. – <i>chairman</i>
Tomas Bata University in Zlín	<i>for habilitation boards</i>	Ing. Jena Švarcová Ph.D.	Prof. Ing. J. Nenadál, Ph.D. – <i>member of the board</i> Prof. Ing. R. Petříková, Ph.D. – <i>member of the board</i>

## 12 THE ACTIVITIES WITHIN BOARDS FOR DEFENCE OF PHD THESIS

University	Board	PhD Student	Membership of the board
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Alena Maňáková	Prof. Ing. J. Nenadál, Ph.D. – <i>chairman</i> Prof. RNDr. J. Tošenovský, Ph.D. – <i>member of the board</i> Doc. Ing. M. Hutyra, Ph.D. – <i>member of the board</i> Doc. Ing. M. Jakob, Ph.D. – <i>member of the board</i>
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Aleš Oujezdský	Doc. Ing. M. Hutyra, Ph.D. – <i>member of the board</i>
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Tomáš Soldán	Prof. Ing. J. Nenadál, Ph.D. – <i>member of the board</i>
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Vladimír Bartoš	Prof. Ing. J. Nenadál, Ph.D. – <i>chairman</i> Prof. Ing. R. Petříková, Ph.D. – <i>member of the board</i> Prof. Ing. J. Plura, Ph.D. – <i>member of the board</i> Doc. Ing. M. Hutyra, Ph.D. – <i>member of the board</i> Prof. RNDr. J. Tošenovský, Ph.D. – <i>member of the board</i>
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Filip Tošenovský	Prof. Ing. J. Nenadál, Ph.D. – <i>chairman</i> Prof. Ing. R. Petříková, Ph.D. – <i>member of the board</i> Prof. Ing. J. Plura, Ph.D. – <i>member of the board</i> Doc. Ing. M. Hutyra, Ph.D. – <i>member of the board</i>
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Roman Maroušek	Prof. Ing. J. Nenadál, Ph.D. – <i>chairman</i> Prof. RNDr. J. Tošenovský, Ph.D. – <i>member of the board</i> Prof. Ing. R. Petříková, Ph.D. – <i>member of the board</i> Doc. Ing. M. Hutyra, Ph.D. – <i>member of the board</i>

University	Board	PhD Student	Membership of the board
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Jitka Smutná	Doc. Ing. D. Noskiewičová, Ph.D. – <i>member of the board</i>
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Šárka Janků	Prof. Ing. J. Nenadál, Ph.D. – <i>chairman</i> Prof. Ing. J. Plura, Ph.D. – <i>member of the board</i> Prof. RNDr. J. Tošenovský, Ph.D. – <i>member of the board</i> Doc. Ing. M. Hutýra, Ph.D. – <i>member of the board</i>
VŠB-TU Ostrava	<i>for defense PhD thesis</i>	Ing. Michal Bohuš	Prof. Ing. J. Nenadál, Ph.D. – <i>member of the board</i> Prof. Ing. J. Plura, Ph.D. – <i>member of the board</i> Prof. RNDr. J. Tošenovský, Ph.D. – <i>member of the board</i>
Czech Technical University in Prague	<i>for defense PhD thesis</i>	Ing. Štěpán Kmoníček	Prof. Ing. J. Nenadál, Ph.D. – <i>member of the board</i>
Tomas Bata University in Zlín	<i>for defense PhD thesis</i>	Ing. Petra Škodáková	Prof. Ing. R. Petříková, Ph.D. – <i>member of the board</i>
Tomas Bata University in Zlín	<i>for defense PhD thesis</i>	Ing. Luděk Šofr	Prof. Ing. R. Petříková, Ph.D. – <i>member of the board</i>
Tomas Bata University in Zlín	<i>for defense PhD thesis</i>	Ing. Olga Girstlová	Prof. Ing. R. Petříková, Ph.D. – <i>member of the board</i>
University of West Bohemia in Pilsen	<i>for defense PhD thesis</i>	Ing. Daniel Štěrba	Prof. Ing. J. Nenadál, Ph.D. – <i>member of the board</i>
University of Žilina	<i>for defense PhD thesis</i>	Ing. Milan Čuraj	Prof. Ing. J. Nenadál, Ph.D. – <i>member of the board</i>
University of Žilina	<i>for defense PhD thesis</i>	Ing. Petr Časnocha	Prof. Ing. J. Nenadál, Ph.D. – <i>member of the board</i>

## 13 SPECIAL AUTHORITIES OF DEPARTMENT

### 13.1 The Examining Board for Final State Exams of Bachelor Study within Special Branch of Quality Management

#### **June 2009:**

#### **Commission No. 1:**

Ing. Petr Kunčický, Ph.D. – *chairman (TOQUM)*

Prof. Ing. Jaroslav Nenadál, Ph.D. – *vice-chairman*

Prof. Ing. Jiří Plura, Ph.D.

Prof. RNDr. Josef Tošenovský, Ph.D.

Doc. Ing. Miloslav Jakob, Ph.D.

Ing. Petr Besta, Ph.D.

Ing. Alan Vápeníček, Ph.D. – *(DTO CZ s.r.o.)*

Ing. Mgr. Petra Halfarová – *secretary*

**Commission No. 2:**

Ing. Petr Benda, Ph.D. – *chairman*  
Doc. Ing. Darja Noskiewičová, Ph.D. – *vice-chairman*  
Prof. Ing. Růžena Petříková, Ph.D.  
Doc. Ing. Milan Hutýra, Ph.D.  
Ing. David Vykydal, Ph.D.  
Ing. Jana Serafinová, MBA – (*Vitkovice Testing Center, s.r.o.*)  
Ing. Kateřina Látalová – (*DTO CZ s.r.o.*)  
Ing. Bc. Michaela Kelblerová – *secretary*

**September 2009:**

Ing. Petr Kunčický, Ph.D. – *chairman (TOQUM)*  
Prof. Ing. Jaroslav Nenadál, Ph.D. – *vice-chairman*  
Prof. RNDr. Josef Tošenovský, Ph.D.  
Doc. Ing. Darja Noskiewičová, Ph.D.  
Doc. Ing. Milan Hutýra, Ph.D.  
Ing. David Vykydal, Ph.D.  
Ing. Mgr. Petra Halfarová – *secretary*

**13.2 The Examining Board for Final State Exams of Master Study within Special Branch of Quality Management****May 2009:****Commission No. 1:**

Prof. Ing. Kristína Zgodavová, Ph.D. – *chairman (Alexander Dubcek University of Trenčín)*  
Prof. Ing. Jaroslav Nenadál, Ph.D. – *vice-chairman*  
Doc. Ing. Miloslav Jakob, Ph.D.  
Doc. Ing. Milan Hutýra, Ph.D.  
Doc. Ing. Darja Noskiewičová, Ph.D.  
Ing. David Vykydal, Ph.D.  
Ing. Bc. Michaela Kelblerová – *secretary*

**Commission No. 2:**

Ing. Petr Benda, Ph.D. – *chairman*  
Prof. Ing. Jiří Plura, Ph.D. – *vice-chairman*  
Prof. RNDr. Josef Tošenovský, Ph.D.  
Prof. Ing. Růžena Petříková, Ph.D.  
Ing. Roman Kadlučka, Ph.D.  
Ing. Vladimír Bartoš, Ph.D. – (*FNsP Ostrava*)  
Ing. Mgr. Petra Halfarová – *secretary*

**November 2009:**

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Prof. RNDr. Josef Tošenovský, Ph.D.

Prof. Ing. Růžena Petříková, Ph.D.

Doc. Ing. Darja Noskievičová, Ph.D.

Ing. Bc. Michaela Kelblerová – *secretary*

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# The Department of Quality Management

Faculty of Metallurgy and Material Engineering VŠB – TU Ostrava

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## Offer of Cooperation:

- In the frame of special cooperation with organizations we offer assistance, participation on common projects and special cooperation in all areas of quality management, especially with:
- implementation of quality management systems in accordance to the EN ISO 9000:2001 family of standards,
- application of the EFQM Excellence Model,
- self-assessment of organizations,
- implementation of training programs per order,
- implementation of modern statistical methods,
- product capability analysis, measurement capability analysis and measurement system analysis,
- application of quality planning and quality improvement methods incl. FMEA, QFD, DOE,
- analysis of the quality related costs,
- implementation of customer satisfaction and loyalty measurement methodology,
- implementation of quality management processes performance measurement,
- realization of common improvement projects etc.

### **Contact us!**

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# Modern face of building industry

**OHL ŽS, a. s.** is a dynamic, multi-profession company with a tradition of over fifty years, ranking among the major building companies in the Czech Republic both in size and importance. We steadily keep our position among the industry leading firms.

Until 2006 our company had been known to our business partners and the general public as ŽS Brno, a. s. By changing our name to OHL ŽS, a.s. we manifested our affiliation to the international Spanish building and investment group OHL that we became part of in 2003.

Corporate management of the company is based on the Integrated Management System with certified systems in the following areas:

- **Quality management system** in accordance with ISO 9 001,
- **Environmental management system** in accordance with ISO 14 001 extended by the EMAS Programme,
- **Work safety management system** in accordance with OHSAS 18 001 supported by the Safe Enterprise Programme,
- **Information Security management system** in accordance with ISO/IEC 27 001.

We are specialists in transport – railway and road constructions and our major activities also include building construction and infrastructure. OHL ŽS, a. s. professionals deliver many contracts not only within the Czech Republic but also abroad.

The company, or its branches, obtained a number of awards in the past, such the CZECH MADE product brand, the Czech National Quality Award (2003) and "Recognised for Excellence in Europe" (2004) within the EFQM Excellence Model or ETHNIC FRIENDLY employer (2008).

We are successful and therefore set it out to help those who need support. Awareness of responsibility for others associated with providing structured and effective help has become part of our corporate culture. We are pleased to be able to make use of our success in giving targeted support to the non-profit sphere and participate in a number of beneficial projects. Also this is part of the modern face of Czech building industry as represented by the OHL ŽS, a. s. company.

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