

**Adhesive wear behaviour of carbide composites and tool steels**

**Annuka, Harri; Klaasen, Heinrich; Kübarsepp, Jakob;** Sivi, Vahur Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 175-176 : ill

**Analysis of lathe vibration influence on blank roughness**

**Arjassov, Gennadi; Otto, Tauno; Gromova, Svetlana** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 120-123 : ill

**Application of statistical methods in assessing the quality of welding**

**Stepanov, Aleksandr; Laansoo, Andres** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 287-289

**Behaviour of hard alloys in sliding and erosion wear conditions**

**Kübarsepp, Jakob; Vainola, Vello; Klaasen, Heinrich;** Loel, Rein Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 203-206 : ill

**Calibration of coating thickness gauges**

**Abiline, Indrek; Laaneots, Rein; Nanits, Mats-Maidu** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 117-119 : ill

**Chromium carbide based cermets as the wear resistant materials**

**Antonov, Maksim; Hussainova, Irina; Pirso, Jüri** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 177-180 : ill

**Complete milling technologies of different valuable materials**

**Sannik, U.; Pappel, Toivo** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 152-154

**Detection of cavitation in pumps through higher order derivatives**

**Teder, Leo; Pappel, Toivo** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 98-101 : ill

**Development of the experimental integrated design environment for progressive cuttings dies**

**Sutt, Annes; Küttner, Rein; Pohlak, Meelis; Karjust, Kristo** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 161-164 : ill

**Double-cemented recycled hardmetal based powders for thermal spray**

**Mikli, Valdek; Kulu, Priit; Tarbe, Riho; Peetsalu, Priidu** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 211-214 : ill

**Experimental study of incremental forming of sheet metal products**

**Pohlak, Meelis; Küttner, Rein; Majak, Jüri; Karjust, Kristo; Sutt, Annes** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 145-148 : ill

**Geometrical modelling techniques to develop a metal structure design space**

**Portjanski, Leonid** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 70-73 : ill

**Implementation CBR system for computer-aided design of work-holders**

**Küttner, Rein; Nekrassov, Grigori** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 55-58 : ill

**Innovation in Estonian enterprises. Challenges and tasks for national innovation system in the European Research Area**

**Luik, Argo** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 261-263 : ill

**Knowledge based system of the surface finishing processes**

**Karjust, Kristo; Papstel, Jüri; Pohlak, Meelis** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 131-133 : ill

**Mass reduction of plate frames**

**Eerme, Martin; Enok, Mart; Roosimölder, Lembit** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 20-22 : ill

**Mechatronics system design in conceptual stage**

**Sell, Raivo** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 82-85 : ill

**Modified calculation method of tolerance of dimensional chain dependent link**

**Kulderknup, Edi; Laaneots, Rein; Raba, Karl** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 47-50 : ill

**Modularization of waste water purification device**

**Tars, Peeter; Roosimölder, Lembit** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 94-97 : ill

**Monitoring of technological resources for extended usage**

**Riives, Jüri; Otto, Tauno; Papstel, Jüri** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 272-275 : ill

**MRP systems research**

**Ševtšenko, Eduard** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 283-286 : ill

**Multi-pole modeling and simulation of dynamics of an electro-hydraulic servo-system**

**Grossschmidt, Gunnar; Harf, Mait** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 27-30 : ill

**New advanced technologies for nanocrystalline metals manufacturing**

**Kommel, Lembit** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 195-198 : ill

**On reshaping of the product development environment in traditional machinery plant**

**Kakko, Ago; Reedik, Vello** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 39-42 : ill

**Optimal planning of product mix for subcontracting companies**

**Küttner, Rein** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 249-252 : ill

**Optimal planning of technological flow lines**

**Küttner, Rein; Kurg, Janno** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 51-54 : ill

**Perspectives of the third level education in manufacturing engineering**

**Papstel, Jüri** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 264-267 : ill

**Possibilities of the INNOMET system for human resources development in enterprises**

**Riives, Jüri; Papstel, Jüri; Otto, Tauno** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 276-278 : ill

**Preface**

Katalinic, Branko; **Papstel, Jüri** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 4 [http://www.ester.ee/record=b3050171\\*est](http://www.ester.ee/record=b3050171*est)

**Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia**

2004 [http://www.ester.ee/record=b3050171\\*est](http://www.ester.ee/record=b3050171*est)

**Programmable logic controllers in process automation**

**Mikkor, Ahti; Roosimölder, Lembit** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 63-65 : ill

**Quality functions as key factors for organization development**

Lõun, Kaia; Tammoja, P. Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 257-260 : ill

**Rail and rail weld testing**

**Saarna, Mart; Laansoo, Andres** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME :

29-30 April 2004, Tallinn, Estonia 2004 / p. 223-225 : ill

**Recycling of light weight B4C based composites**

**Kommel, Lembit; Kimmari, Eduard** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 199-202 : ill

**Simulation of incremental forming of sheet metal products**

**Pohlak, Meelis; Küttner, Rein; Majak, Jüri; Karjust, Kristo; Sutt, Annes** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 149-151 : ill

**Simulation of statics and steady state conditions of an electro-hydraulic servo-system**

**Grossschmidt, Gunnar; Harf, Mait** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 31-34 : ill

**Software tools for modelling and simulation of manufacturing processes**

**Karaulova, Tatjana; Papstel, Jüri** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 245-248 : ill

**The importance of order correlation**

**Barāškova, Tatjana** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 124-126

**Trends in positive and negative synergy at mechatronic systems**

**Tähemaa, Toivo** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 102-105 : ill

**Virtual differential as torque distribution control unit in automotive propulsion systems**

**Resev, Jüri; Roosimölder, Lembit** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 74-77 : ill