

#### **Calculation of long extended tubes**

**Teder, Leo; Nurmsoo, Veiko; Roosimölder, Lembit** OST-98 Symposium on Machine Design, Oulanka, Finland, October 1-3, 1998 : proceedings 1998 / p. 143-151: ill

#### **Calculation of the characteristics of a hydraulic cylinder controlled by a servo-valve**

**Grossschmidt, Gunnar; Vanaveski, Jüri; Roosimölder, Lembit** International DAAAM : [DAAAM National Estonia] : proceedings of the 1st International Conference, 25-27th September 1997, Tallinn, Estonia 1997 / p. 38-41: ill

#### **Changes in innovative activities of Estonian firms in period 1995-2005**

**Lumiste, Rünno; Roosimölder, Lembit** Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [2] 2008 / p. 339-344

#### **Container device for waste water pretreatment**

**Varikmaa, Andrus; Roosimölder, Lembit** Proceedings of the Second National DAAAM Conference in Estonia : Science'96 1997 / p. 112-116: ill

#### **Crossflow aerators**

**Enok, Mart; Roosimölder, Lembit** OST-03 Symposium on Machine Design 2003 / p. 121-129 : ill

#### **Data mining in production management and manufacturing**

**Matsi, Birthe; Lõun, Kaia; Otto, Tauno; Roosimölder, Lembit** Annals of DAAAM for 2008 & proceedings of the 19th International DAAAM Symposium : Intelligent Manufacturing & Automation : Focus on Next Generation of Intelligent Systems and Solutions 2008 / p. 827-828

#### **Data mining in production management and manufacturing**

**Matsi, Birthe; Otto, Tauno; Lõun, Kaia; Roosimölder, Lembit** DAAAM International Scientific Book 2009 2009 / p. 97-106

#### **Design environment for creation of metal structures of higher safety requirements**

**Eerme, Martin; Roosimölder, Lembit; Küttner, Rein** Proceedings NordDesign 2002 : Visions and Values in Engineering Design : [August 14-16, 2002, NTNU, Trondheim, Norway] 2002 / p. 57-64 : ill

#### **Design for crashworthiness of the vehicle seat frame**

**Eerme, Martin; Roosimölder, Lembit** DAAAM International scientific book 2005 2005 / p. 141-148 : ill., phot

#### **Design highly loaded frames with complicated configuration [Electronic resource]**

**Roosimölder, Lembit; Eerme, Martin; Tuulemäe, Teet** 9th International Conference on Machine Design and Production : UMTIK 2000 : 13-15 September 2000, Ankara, Turkey 2000 / p. 229-235. [CD-ROM]

#### **Design of highly loaded cast iron frames**

**Roosimölder, Lembit; Eerme, Martin** International Symposium on Machine Design OST 2001 : [Tallinn, Estonia, October 4-5, 2001] : abstracts 2001 / [1] p

#### **Design of highly loaded frames**

**Roosimölder, Lembit; Eerme, Martin** OST-01 Symposium on Machine Design : Tallinn, Estonia, October 4-5, 2001 : proceedings 2001 / p. 51-58 : ill

#### **Design of sandwich support structures**

**Eerme, Martin; Enok, Mart; Roosimölder, Lembit; Küttner, Rein** Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 4, p. 300-307 : ill

#### **Eesti Mehaanikainseneride Liit**

**Kulu, Priit; Laansoo, Andres; Roosimölder, Lembit** Inseneeria 2008 / 6, lk. 26-27 : ill [https://artiklid.elnet.ee/record=b2041635\\*est](https://artiklid.elnet.ee/record=b2041635*est)

#### **Eesti Mehaanikainseneride Liit. Eesti Keevitusühing. Eesti Materjalitehnika Ühing. Eesti Masinaehitusinseneride Selts.**

**Mehaanikainseneri kutseid omistav organ**

**Kulu, Priit; Laansoo, Andres; Roosimölder, Lembit** Mehaanikateaduskond 2008 2008 / lk. 54-58

#### **Generating air bubbles for wastewater purification, flotation and gas dissolving process**

**Roosimölder, Lembit** OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 175-181: ill

#### **Generating air bubbles in crossflow aerators with grinded rings**

**Roosimölder, Lembit; Enok, Mart** Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 61-64 : ill

**Implementation of robot welding cells using modular approach**

**Sarkans, Martinš; Roosimölder, Lembit** Estonian journal of engineering 2010 / 4, p. 317-327 : ill

**Increasing of rapid prototyping performance by 3D printing technologies**

**Sonk, Kaimo; Matsi, Birthe; Otto, Tauno; Roosimölder, Lembit** Journal of machine engineering 2009 / 1S, p. 121-129

**Innovation capacity estimation in product development**

**Matsi, Birthe; Otto, Tauno; Roosimölder, Lembit** Manufacturing : Focus on the Future : IMC 24 : The International Manufacturing Conference : 29th-31st August 2007, Irland. 2 2007 / p. 703-710

**Investigation of dynamic behaviour of orthotropic structures**

**Eerme, Martin; Vakraõm, Teet; Roosimölder, Lembit** Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 15-17 : ill

**Konstruksioonilise kursuseprojekti juhend erialade 0531 ja 0517 üliõpilastele**

1980 [https://www.ester.ee/record=b1285203\\*est](https://www.ester.ee/record=b1285203*est)

**Limited slip differential for vehicles**

**Roosimölder, Lembit; Resev, Jüri; Kuusik, Taivo** International Symposium on Machine Design OST 2001 : [Tallinn, Estonia, October 4-5, 2001] : abstracts 2001 / [1] p

**Limited slip differential for vehicles**

**Resev, Jüri; Roosimölder, Lembit; Kuusik, Taivo** OST-01 Symposium on Machine Design : Tallinn, Estonia, October 4-5, 2001 : proceedings 2001 / p. 59-66 : ill

**Limited slip differential gear**

**Roosimölder, Lembit** Proceedings : NordDesign '98 : August 26-28, 1998, Royal Institute of Technology, Stockholm, Sweden 1998 / p. 263-267 : ill

**Masinaehituse instituut**

**Roosimölder, Lembit** 70 aastat mehaanikateaduskonda / Tallinna Tehnikaülikool 2006 / lk. 37-44 : portr

**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

**Materjal ja konstruktsioon : metoodiline juhend üliõpilaskonstruktorile**

1982 [https://www.ester.ee/record=b1263116\\*est](https://www.ester.ee/record=b1263116*est)

**Mehaaniliste struktuuride modelleerimine tootearenduses**

**Roosimölder, Lembit; Eerme, Martin** Tallinna Tehnikaülikooli aastaraamat 2003 2004 / lk. 23-28

**Method for increasing innovation capacity in development of casing type details**

**Matsi, Birthe; Otto, Tauno; Sarkans, Martinš; Roosimölder, Lembit** Virtual and Rapid Manufacturing : Advanced Research in Virtual and Rapid Prototyping 2007 / p. 747-752 <https://www.taylorfrancis.com/chapters/edit/10.4324/9780203931875-119/method-increasing-innovation-capacity-development-casing-type-details-matsi-sarkans-otto-roosim%C3%B6lder>

**Mittesümmeetiline lülitatav piiratud libisemisega diferentsiaal**

**Resev, Jüri; Roosimölder, Lembit** Põllumajandustehnika, -ehitus ja -energeetika 2001 / lk. 210-215 : ill  
[https://artiklid.elnet.ee/record=b1033371\\*est](https://artiklid.elnet.ee/record=b1033371*est)

**Modularisation information carried by products - case study**

**Sarkans, Martinš; Roosimölder, Lembit; Rökk, Raido** Proceedings of the 5th International Conference of DAAAM Baltic : Industrial Engineering - Adding Innovation Capacity of Labour Force and Entrepreneur : 20-22 April 2006, Tallinn, Estonia 2006 / p. 77-80 : 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

**Module reuse in product platform architecture**

**Sarkans, Martinš; Roosimölder, Lembit** Machine engineering 2004 / 1/2, p. 45-51

**More competitive piano**

**Roosimölder, Lembit; Eerme, Martin; Mägi, Aavo** 44. Internationales Wissenschaftliches Kolloquium, 20.-23.09.1999. Band 3, Maschinenbau im Informationszeitalter : Vortragsreihen 1999 / S. 284-287 : ill

**Networks and innovation in machinery and electronics industry and enterprises (Estonian case studies) = Võrgustikud ja innovatsioon masina- ja elektroonikatööstuse arendamisel (Eesti juhtumite analüüs)**

Lumiste, Rünno 2008 [https://www.ester.ee/record=b2380434\\*est](https://www.ester.ee/record=b2380434*est)

**A new type of differential gear**

Roosimölder, Lembit OST-96 Symposium on Machine Design, [Stockholm] May 13-14, 1996 : program, abstracts 1996 / [1] p  
[https://www.ester.ee/record=b1033950\\*est](https://www.ester.ee/record=b1033950*est)

**A new type of differential gear**

Roosimölder, Lembit OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 126-130: ill

**Optimization of star springs**

Roosimölder, Lembit Proceedings of the Second National DAAAM Conference in Estonia : Science'96 1997 / p. 94-97: ill

**Over- and understeering with a limited slip differential**

Resev, Jüri; Roosimölder, Lembit; Siitas, Marko Proceedings of NordDesign 2008 : August 21-23, 2008 2008 / p. 358-365 : ill  
<https://www.designsociety.org/publication/27385/Over-and-understeering-with-a-Limited-Slip-Differential>

**Paindlikud tootmissüsteemid tänapäeva masinaehituses**

Roosimölder, Lembit; Riives, Jüri Tehnika ja Tootmine 1985 / lk. 8-11 : ill [https://www.ester.ee/record=b1073047\\*est](https://www.ester.ee/record=b1073047*est)

**Piiratud hõõrdumisega diferentsiaalhammasülekande uurimine**

Resev, Jüri; Roosimölder, Lembit Teadustööde kogumik / Eesti Põllumajandusülikool 1999 / lk. 148-154: ill

**Pinnete paksuse mõõtmine**

Laaneots, Rein; Roosimölder, Lembit Tehnika ja Tootmine 1991 / 7/8, lk. 19-21: fotod

**Problem solving as a tool in machine design**

Roosimölder, Lembit OST-97 Symposium on Machine Design, Tallinn, Estonia, May 22-23, 1997 : proceedings 1997 / p. 182-188  
[https://www.ester.ee/record=b1083704\\*est](https://www.ester.ee/record=b1083704*est)

**Proceedings of NordDesign 2008 : August 21-23, 2008**

2008 [http://www.ester.ee/record=b2431591\\*est](http://www.ester.ee/record=b2431591*est)

**Product family concept evaluation**

Enok, Mart; Eerme, Martin; Roosimölder, Lembit Proceedings of NordDesign 2006 Conference : [August 16-18, 2006 : Reykjavik, Iceland] 2006 / p. 112-119 : ill

**Product platform modularisation of luminaire light sources**

Sarkans, Martinš; Roosimölder, Lembit; Rokk, Raido Proceedings of NordDesign 2004 Conference : 18-20 August, Tampere, Finland 2004 / p. 73-77

**Product platform modularization for test adapters**

Sarkans, Martinš; Roosimölder, Lembit OST-03 Symposium on Machine Design 2003 / p. 100-106

**Productivity in innovation and new product development**

Matsi, Birthe; Otto, Tauno; Roosimölder, Lembit Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [I] 2010 / p. 142-147 : ill

**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

**Rein Mesila 11.11.1937 - 17.08.2007 : [in memoriam]**

Küttner, Rein; Reedik, Vello; Roosimölder, Lembit Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 436-437

**Research of innovation capacity monitoring methodology for engineering industry = Innovatsioonivõimekuse monitooringu metoodika töötlevale tööstusele**

Matsi, Birthe 2011

**Switching process in limited slip differential**

Resev, Jüri; Roosimölder, Lembit; Siitas, Marko Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [1] 2008 / p. 153-158 : ill

**Synergy deployment at early evaluation of modularity of the multi-agent production systems = Sünergia kaasamine**

**modulaarsuse varaseks hindamiseks mitmeagentsete tootmissüsteemide evitamisel**  
**Sarkans, Martinš** 2012 [https://www.ester.ee/record=b2869087\\*est](https://www.ester.ee/record=b2869087*est)

**Synergy deployment in multi-agent modular systems**

**Sarkans, Martinš; Eerme, Martin; Reedik, Vello; Roosimölder, Lembit** Socio-technical synergetics 2024 / p. 102-124 : ill  
[https://www.ester.ee/record=b5651350\\*est](https://www.ester.ee/record=b5651350*est)

**Teadmistepõhise tootmise arendus**

**Riives, Jüri; Roosimölder, Lembit** Tallinna Tehnikaülikooli aastaraamat 2009 2010 / lk. 25-28 : ill  
[https://www.ester.ee/record=b1212786\\*est](https://www.ester.ee/record=b1212786*est)

**Torque distribution control unit in automotive propulsion systems**

**Resev, Jüri; Roosimölder, Lembit** Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 4, p. 290-299 : ill  
[https://artiklid.elnet.ee/record=b1017111\\*est](https://artiklid.elnet.ee/record=b1017111*est)

**TPI leiutajatelt rahvamajandusele**

**Roosimölder, Lembit** Tehnika ja Tootmine 1983 / lk. 10-11 [https://www.ester.ee/record=b1073047\\*est](https://www.ester.ee/record=b1073047*est)

**TTÜ RRÜ eestseisuse koosolek**

**Roosimölder, Lembit** Tehnikaülikool 1991 / 1. veebr., lk. 8 [https://www.ester.ee/record=b5309277\\*est](https://www.ester.ee/record=b5309277*est)

**Tööpinkide projekteerimine : metoodiline juhend projekti koostamiseks**

1994 [https://www.ester.ee/record=b1066559\\*est](https://www.ester.ee/record=b1066559*est)

**Tööpinkide projekteerimine : skeemid ja joonised**

1993 [https://www.ester.ee/record=b1065035\\*est](https://www.ester.ee/record=b1065035*est)

**Tööstuse konkurentsivõime tõstmine : TTÜ masinaehituse instituut**

**Roosimölder, Lembit** Inseneeria 2011 / lk. 13-14 : ill [https://www.ester.ee/record=b1519314\\*est](https://www.ester.ee/record=b1519314*est)

**Uuenduslik tootmine : käsiraamat**

**Riives, Jüri; Lumiste, Rünno; Reedik, Vello; Roosimölder, Lembit; Karjust, Kristo; Kers, Jaan; Kiolein, Indrek; Kokla, Margo; Küttner, Rein; Lavin, Jaak; Lavrentjev, Jüri; Lõun, Kaia; Mõtus, Leo; Naams, Invar; Otto, Tauno; Pohlak, Meelis; Raba, Karl; Saks, Alo; Talkop, Adolf; Tähemaa, Toivo; Veinthal, Renno** 2011 [http://www.ester.ee/record=b2736534\\*est](http://www.ester.ee/record=b2736534*est)

**Uut pinnakatte-paksusmõõturite töötlemises**

**Laaneots, Rein; Roosimölder, Lembit** Tehnika ja Tootmine 1987 / lk. 19-21 : ill [https://www.ester.ee/record=b1073047\\*est](https://www.ester.ee/record=b1073047*est)

**Weight reduction of support structures**

**Eerme, Martin; Enok, Mart; Roosimölder, Lembit; Küttner, Rein** Proceedings of the NordDesign Conference 2004 / p. 309-314  
<https://www.designsociety.org/publication/29238/WEIGHT+REDUCTION+OF+SUPPORT+STRUCTURES>

**Welding robot cell implementation in SME-s using modular approach - case study**

**Sarkans, Martinš; Roosimölder, Lembit** Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 578-583

**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

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

**Resev, Jüri** 2002 [https://www.ester.ee/record=b1711574\\*est](https://www.ester.ee/record=b1711574*est)

**Интенсивный биокаталитический реактор**

**Tearo, Eduard; Uus, Endel; Roosimölder, Lembit** Расчет и конструирование биотехнической аппаратуры : Межвузский сборник научных трудов 1988 / с. [?]

**Исследование и расчет переходных процессов в автоматических коробках передач металлорежущих станков с числовым программным управлением : автореферат ... кандидата технических наук (05.03.01)**

**Roosimölder, Lembit** 1979 [https://www.ester.ee/record=b1526728\\*est](https://www.ester.ee/record=b1526728*est)

**Козффициенты приведения, облегчающие исследование и расчет коробок передач с фрикционными муфтами**

**Roosimölder, Lembit** Сборник статей по машиностроению. 12 1975 / с. 101-107 : илл [https://www.ester.ee/record=b2190717\\*est](https://www.ester.ee/record=b2190717*est)  
<https://digikogu.taltech.ee/et/Item/7b7310bb-55bb-4584-a47b-63fe4d08b6a9>

## **Машиностроение**

**Arumäe, Heino; Meng, Valentin; Strižak, Viktor; Ševtšenko, J.P.; Laaneots, Rein; Kulu, Priit; Tiidemann, Tiit; Remi, Toomas; Naagel, H.; Üksti, Lembit; Ajaots, Maidu; Nanits, Mats-Maidu; Roosimölder, Lembit; Remi, Toomas; Sillat, Rein** 1985  
[https://www.ester.ee/record=b1302677\\*est](https://www.ester.ee/record=b1302677*est)

## **Оптимизация процесса обогащения воды воздухом при повышенном давлении**

**Pikkov, Lui; Roosimölder, Lembit** Процессы и аппараты химической технологии. 1 1987 / с. 18-26

## **Переключение под нагрузкой на высшую ступень системы с двумя фрикционными электромагнитными муфтами**

**Roosimölder, Lembit** Сборник статей по машиностроению. 12 1975 / с. 67-81 : илл [https://www.ester.ee/record=b2190717\\*est](https://www.ester.ee/record=b2190717*est)  
<https://digikogu.taltech.ee/et/Item/7b7310bb-55bb-4584-a47b-63fe4d08b6a9>

## **Переключение под нагрузкой на низшую ступень системы с двумя фрикционными электромагнитными муфтами**

**Roosimölder, Lembit** Долговечность, расчет и конструирование деталей и узлов машин и технологического оборудования 1985 / с. 53-63

## **Переключение под нагрузкой системы фрикционная электромагнитная муфта, муфта свободного хода**

**Roosimölder, Lembit** Долговечность, расчет и конструирование деталей и узлов машин и технологического оборудования 1985 / с. 65-69

## **Применение автоматизированного проектирования в работах студентов машиностроительной специальности**

**Küttner, Rein; Papstel, Jüri; Riives, Jüri; Roosimölder, Lembit** Arvutite ja tehniliste vahendite kasutamine õppetöös : TPI 50. aastapäevale pühendatud teaduslik-metoodilise konverentsi, 26.-27. märtsil : ettekannete teesid 1986 / с. 54-55  
[https://www.ester.ee/record=b1206593\\*est](https://www.ester.ee/record=b1206593*est)

## **Процессы и аппараты химической технологии**

**Feldmann, Liia; Pikkov, Lui; Viiraja, Andres; Roosimölder, Lembit; Munter, Rein; Sarv, Laur; Joarand, Heiki; Kallas, Juha; Kamenev, Inna; Preis, Sergei; Siirde, Enno; Koel, Mihkel; Tearo, Jelena; Loorits, Hilja; Mikkal, Valdek; Kamenev, Sven; Bakalova, M.O.; Orupõld, T.; Reile, Rein; Uus, Endel; Tearo, Eduard** 1987 [https://www.ester.ee/record=b2191192\\*est](https://www.ester.ee/record=b2191192*est)

## **Расчет пауз между сигналами управления при переключении на высшую ступень коробок передач с фрикционными электромагнитными муфтами**

**Roosimölder, Lembit; Judenkov, N.** Сборник статей по машиностроению. 12 1975 / с. 83-91 : илл  
[https://www.ester.ee/record=b2190717\\*est](https://www.ester.ee/record=b2190717*est) <https://digikogu.taltech.ee/et/Item/7b7310bb-55bb-4584-a47b-63fe4d08b6a9>

## **Расчет пауз между сигналами управления при переключении на низшую ступень скорости коробок передач с фрикционными электромагнитными муфтами**

**Roosimölder, Lembit** Сборник статей по машиностроению. 12 1975 / с. 93-100 : илл [https://www.ester.ee/record=b2190717\\*est](https://www.ester.ee/record=b2190717*est)  
<https://digikogu.taltech.ee/et/Item/7b7310bb-55bb-4584-a47b-63fe4d08b6a9>

## **Трение и износ в машинах**

**Tadolder, Jüri; Kangur, Hillar; Kleis, Ilmar; Pirso, Jüri; Kallas, Paul; Kulu, Priit; Halling, Jaanus; Nanits, Mats-Maidu; Velling, Ants; Kotkas, Jüri; Pappel, Toivo; Verežnikov, V.N.; Judin, V.J.; Lees, Rein; Ajaots, Maidu; Laaneots, Rein; Saar, Bernhard; Roosimölder, Lembit; Beckmann, G.; Gotzmann, J.** 1985 [https://www.ester.ee/record=b2191144\\*est](https://www.ester.ee/record=b2191144*est)

## **Экспериментальное исследование динамических характеристик фрикционных электромагнитных муфт с магнитопроводящими дисками**

**Roosimölder, Lembit** Трение и износ в машинах. 13 1985 / с. 95-101