

## **Aatomlaser - füüsikute uus mängukann**

**Krustok, Jüri** Eesti Päevaleht 1999 / 8. apr., lk. 11

## **Acoustic study on tubular micro-perforated flow plug sections for vehicle silencer's application**

**Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri** SAE Technical Paper 2022 / p. 1-7 <https://doi.org/10.4271/2022-01-0933>  
<https://www.sae.org/publications/technical-papers/content/2022-01-0933/> [Conference proceedings at Scopus](#) [Article at Scopus](#)

## **Adaptively undersampled image processing for fast multiline laser detection**

**Mölder, Ago; Märten, Olev; Saar, Tõnis; Land, Raul** 2013 IEEE 8th International Symposium on Intelligent Signal Processing (WISP 2013) : proceedings 2013 / p. 60-64 : ill [CD-ROM]

## **Additive manufacturing of TiC-based cermet with stainless steel as a binder material**

**Maurya, Himanshu Singh; Juhani, Kristjan; Sergejev, Fjodor; Prashanth, Konda Gokuldoss** Materials today: proceedings 2022 / p. 824-828 <https://doi.org/10.1016/j.matpr.2022.02.428> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## **Additive manufacturing of TiC-based cermets with Fe-based binders using novel laser scan techniques =**

**Titaankarbiidsete Fe-baasil sideainega kermiste valmistamine uudse laserskaneeriva kihtlisandustehnoloogia teel**

**Maurya, Himanshu Singh** 2023 <https://doi.org/10.23658/taltech.61/2023> <https://digikogu.taltech.ee/et/Item/3dad7b12-4a7a-4c9d-8162-30388c52bf5e> [https://www.ester.ee/record=b5645217\\*est](https://www.ester.ee/record=b5645217*est)

## **Advances in terahertz technology with emphasis on quantum cascade lasers**

**Reeder, Reeno; Velmre, Enn; Udal, Andres** Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / p. 47-50 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/9225>

## **Autonomous PIV-measurements in the Tallinn Bay**

**Erm, Ants; Listak, Madis; Rebane, Jaan; Toming, Gert; Buschmann, Fred** International Coastal Symposium 2013 : book of abstracts : Plymouth University, 8–12 April 2013 2013 / p. 376

## **Blood flow detection with diode laser**

**Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus** Medical physics 2000 / 6, [CD-ROM], Digest of Papers of the 2000 World Congress on Medical Physics and Biomedical Engineering and [...] : Chicago 2000 : July 23-28, 2000, Chicago's Navy Pier, [3] p. : ill

## **CAD-integrated measuring technologies for capturing built environments BALTGRAF-11**

**Jüriorg, Urmas** Engineering Graphics BALTGRAF-11 : proceedings of the Eleventh International Conference : Tallinn, Estonia, June 9-10, 2011 2011 / p. 199-201 : ill

## **CAD-tarkvara lasermõõdistaja teeb meistrimehe elu lihtsamaks**

**Jüriorg, Urmas** Ehitaja 2011 / 4, lk. 70-72 : ill [https://artiklid.elnet.ee/record=b2321619\\*est](https://artiklid.elnet.ee/record=b2321619*est)

## **Characterization of the throughput beam of a ten-photodiode transmission trapdetector**

**Kübarsepp, Toomas; White, Malcolm** Metrologia 2011 / p. 359-364 : ill <https://iopscience.iop.org/article/10.1088/0026-1394/48/5/017/meta>

## **Coherent photodetection with a laser**

**Meigas, Kalju** 1997 [https://www.ester.ee/record=b1059446\\*est](https://www.ester.ee/record=b1059446*est)

## **Development of quantum cascade laser simulation software**

**Udal, Andres; Reeder, Reeno; Ikonic, Zoran; Harrison, Paul; Velmre, Enn** BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 47-48 : ill [https://www.ester.ee/record=b2150914\\*est](https://www.ester.ee/record=b2150914*est)

## **A DSP-based laser scanner**

**Saar, Tõnis; Märten, Olev** BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 345-348 : ill

## **Extraction of the variable width laser line**

**Mölder, Ago; Märten, Olev; Saar, Tõnis; Land, Raul** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 157-160 : ill

## **He-Ne laseril töötav sidesüsteem**

**Hinrikus, Hiie; Uusmaa, P.; Süvala, R.** Side. Raadio. Televisioon : infoseeria 10 1974 / lk. 19-22 : ill [https://www.ester.ee/record=b1232303\\*est](https://www.ester.ee/record=b1232303*est)

### **High-sensitive compact laser device for moving particle registration**

**Hinrikus, Hiie; Meigas, Kalju** Laser optics 93 : summaries of papers, St.Petersburg, June 21-25, 1993 1993

### **Investigation of particle-wall collision**

**Hussainova, Irina** Proceedings of the Second National DAAAM Conference in Estonia : Science'96 1997 / p. 13-19: ill

### **Kaitselaserid tulevad relvastusse**

**Krustok, Jüri** Eesti Päevaleht 1999 / 16. dets., lk. 13

### **Kiiruse mõõtmise mobiilne süsteem : aastal 2009 avaldatud tööde koopiade kogumik. 13**

Laaneots, Rein 2009 [https://www.ester.ee/record=b2641827\\*est](https://www.ester.ee/record=b2641827*est)

### **Laser cutting of NdFeB**

**Kruusing, Arvi**; Uusimäki, Antti; Leppävuori, Seppo Materials Engineering - 98 : materials of the VII-th International Baltic Conference, September 24-25, Jurmala, Latvia 1998 / p. 105-108: ill

### **Laser doppler device for air pollution detection**

**Hinrikus, Hiie; Meigas, Kalju** Proceedings of European Symposium on Optics for Productivity in Manufacturing, 20-24 June 1994, Frankfurt/Main, FR Germany 1994 / p. 38-47

### **Laser hybrid wire arc additive manufacturing for fabricating thin sections**

Singh, Shalini; Jinoop, Arackal Narayanan; Tarun Kumar, Gorlea Thrinadh Ananthvenkata; Shukla, Ashish; Palani, Iyamperumal Anand; Resnina, Natalia; Paul, Christ Prakash; **Prashanth, Konda Gokuldoss** Transactions of the Indian National Academy of Engineering 2022 / p. 175–183 : ill <https://doi.org/10.1007/s41403-021-00258-3>

### **Laseri tänapäev ja tulevik**

**Hinrikus, Hiie** Kalender 1987 1986 / lk. 158-162 [https://www.ester.ee/record=b1316711\\*est](https://www.ester.ee/record=b1316711*est)

### **Laserite kasutamine infoedastus- ja mõõtesüsteemides**

**Hinrikus, Hiie** Tallinna Tehnikaülikooli Toimetised 1991 / lk. 32-50

### **Lasertehnika ja optika näitus-mess Münchenis**

**Kruusing, Arvi** Tehnikaülikool 1997 / 1. sept., lk. 6-7: ill

### **Laterally pumped GaAs/AlGaAs quantum wells as sources of broadband terahertz radiation**

**Reeder, Reeno**; Ikonic, Zoran; Harrison, Paul; **Udal, Andres; Velmre, Enn** Journal of applied physics 2007 / [6] p. : ill <https://pubs.aip.org/aip/jap/article/102/7/073715/987937/Laterally-pumped-GaAs-AlGaAs-quantum-wells-as> <https://doi.org/10.1063/1.2783779>

### **Low-K factor of SiO2 layer on Si irradiated by YAG:Nd laser**

Medvid, A.; Onufrijevs, Pavels; **Mellikov, Enn; Kropman, Daniel**; Muktepavela, F.; Bakradze, G. Journal of non-crystalline solids 2007 / p. 703-707 : ill <https://www.sciencedirect.com/science/article/pii/S0022309306014116>

### **Maailma võib vaadelda kui hiiglaslikku ülesvõtet**

**Krustok, Jüri** Eesti Päevaleht 1996 / 10. apr., lk. 7: ill

### **Massive transformation in dual-laser powder bed fusion of Ti6Al4V alloys**

**Karimi, Javad**; Zhao, Chao; **Prashanth, Konda Gokuldoss** Journal of Manufacturing Processes 2024 / p. 282-292 : ill <https://doi.org/10.1016/j.jmapro.2024.03.083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Measurements of arteries by laser**

**Meigas, Kalju** Estonian Science Foundation 2008 2009 / p. 17-18 : ill

### **Method for small particle detection by laser**

**Meigas, Kalju** Optical engineering 1998 / 9, p. 2587-2591: ill

### **Mikrolaine- ja optiline tehnika : loengumaterjalid biomeditsiinitehnika ja meditsiinifüüsika magistriõppe üliõpilastele**

2012 [http://www.ester.ee/record=b2860846\\*est](http://www.ester.ee/record=b2860846*est)

### **Moving particles laser detector**

**Hinrikus, Hiie; Meigas, Kalju** 19 convention on radio science : abstracts 1993

### **New U-Pb zircon ages of the Sandbian (Upper Ordovician) "Big K-bentonite" in Baltoscandia (Estonia and Sweden) by LA-ICPMS**

**Bauert, Heikki**; Isozaki, Yukio; Holmer, Lars Erik; Aoki, Kazumasa; Sakata, Shuhei; Hirata, Takafumi GFF 2014 / p. 30-33 : ill <https://doi.org/10.1080/11035897.2013.862854> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optical Self-mixing in a diode laser as a method for no touch pulse measurement**

**Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : final programme and abstracts of papers 1998 / p. 184

### **Optical Self-mixing in a diode laser as a method for no touch pulse measurement**

**Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : [proceedings : CD-ROM] 1998 / [6] p. : ill

### **Optical tomography of the laser's Gaussian electric field**

Aben, Hillar; **Ainola, Leo** Optics & laser technology 2001 / p. 29-30 : ill

### **Optimisation of trabecular bone mimicking silicon-hydroxyapatite based composite scaffolds processed through selective laser melting**

Ressler, Antonia; **Kamboj, Nikhil Kumar**; Ivanković, Hrvoje; Hussainova, Irina Open Ceramics 2022 / art. 100252

<https://doi.org/10.1016/j.oceram.2022.100252> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Production of fine powders by laser light**

**Kruusing, Arvi**; Podgurski, Vitali; **Mikli, Valdek** Powder Technology 95 : Vth Baltic Conference, November 7-8, 1995, Tallinn 1995 / l. 9-12: ill [https://www.ester.ee/record=b1492085\\*est](https://www.ester.ee/record=b1492085*est)

### **Prototype induction motor core preparation with laser additive manufacturing**

**Tiismus, Hans** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 35-36 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Pulse profile registration using self-mixing in diode laser**

**Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain** Proceedings of the 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 20, no. 4, Biomedical Engineering Towards the Year 2000 and Beyond : Hong Kong SAR, China, October 29-November 1, 1998 1998 / p. 1875-1878 : ill

### **Selective laser melting of Ti6Al4V : effect of laser re-melting**

**Karimi, Javad**; Suryanarayana, Challapalli; Okulov, Ilya; **Prashanth, Konda Gokuldoss** Materials Science and Engineering : A 2021 / art. 140558 <https://doi.org/10.1016/j.msea.2020.140558> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Self-mixing in a diode laser as a method for coherent photodetection**

**Meigas, Kalju; Hinrikus, Hiie; Lass, Jaanus; Kattai, Rain** Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 4, p. 307-316

### **Simple laser and microwave devices for moving objects measurement**

**Hinrikus, Hiie; Krasavin, Jevgeni; Meigas, Kalju** Proceedings of 8. Symposium Maritime Elektronik, Apr. 1995, Rostock 1995 / p. 53-56: ill

### **Simple laser-diode device for particles suspension flow detection**

**Kattai, Rain; Meigas, Kalju; Lass, Jaanus** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 313-314: ill

### **Sinisest unistusest...**

**Krustok, Jüri** Tehnikamaailm 2012 / lk. 68-71 : ill [https://artiklid.elnet.ee/record=b2513391\\*est](https://artiklid.elnet.ee/record=b2513391*est)

### **Skin surface vibration measurement by optical self mixing in a diode laser**

**Meigas, Kalju; Lass, Jaanus; Kattai, Rain** 8th International IMEKO Conference on Measurement in Clinical Medicine Biomedical Measurement and Instrumentation & 12th International Symposium on Biomedical Engineering, Dubrovnik, Croatia, September 16-19, 1998 : proceedings 1998 / p. 2.42-2.45: ill

### **The influence of target surface alterations on pulsed laser deposited YBa2Cu3O7-x film properties**

**Podgurski, Vitali** Proceedings of the Estonian Academy of Sciences. Engineering 2000 / 1, p. 14-24 : ill [https://artiklid.elnet.ee/record=b1003509\\*est](https://artiklid.elnet.ee/record=b1003509*est)

### **Uue aastatuhande energia**

**Krustok, Jüri** Horisont 1999 / 4, Horisondi Extra, lk. 8-9: ill [https://artiklid.elnet.ee/record=b1001335\\*est](https://artiklid.elnet.ee/record=b1001335*est)

### **Vergleich des eingestrahnten und des gerichtet reflektierten Pulses bei Metallbearbeitung mit einem gepulsten Festkörperlaser**

**Pöldmaa, Veiko; Rahula, Aare**; Sowada, U. Laser und Optoelektronik 1994 / 3, S. 71-75

## **Ülijuhtivus ja eksimeerlaserid**

**Vallaste, Heikki** Kodumaa : nädalaleht 1989 / lk. 7 [https://www.ester.ee/record=b1252788\\*est](https://www.ester.ee/record=b1252788*est) <https://dea.digar.ee/?a=d&d=kodumaanadalaleht19890208&e=-----et-25--1--txt-txIN%7ctxTI%7ctxAU%7ctxTA----->

## **Автоматические лазерные системы для пространственного позиционирования объектов**

**Velikotnõi, M.; Kruming, Boris** Тезисы докладов III Всесоюзной конференции "Применение лазеров в технологии и системах передачи и обработки информации", 11-13 ноября 1987 г. 2, [Лазерные измерительные системы] 1987 / с. 85-86 [https://www.ester.ee/record=b1273191\\*est](https://www.ester.ee/record=b1273191*est)

## **Измерение коэффициента шумов гелий-неонового лазера**

**Astrik, R.; Hinrikus, Hiie** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 148-149 [https://www.ester.ee/record=b1306141\\*est](https://www.ester.ee/record=b1306141*est)

## **Когерентное фотодетектирование в газовом лазере**

**Zahharov, Boriss; Meigas, Kalju; Hinrikus, Hiie** Лазерная и оптико-электронная техника : Межвузовский сборник научных трудов 1989 / с. 131-144

## **Когерентное фотодетектирование при совмещенном режиме лазера**

**Zahharov, Boriss; Meigas, Kalju; Hinrikus, Hiie** Тезисы докладов III Всесоюзной конференции "Применение лазеров в технологии и системах передачи и обработки информации", 11-13 ноября 1987 г. 3, Лазерные системы передачи и обработки информации 1987 / с. 17 [https://www.ester.ee/record=b1273195\\*est](https://www.ester.ee/record=b1273195*est)

## **Лазерная дальнометрия**

Васильев В.П.; **Hinrikus, Hiie** 1995

## **Лазерный измеритель скорости для измерения нестационарных течений жидкости и твердых тел в трубе**

**Daniel, Eghert** Гидроаэродинамика и динамика систем управления 1987 / с. 89-99

## **Методика измерения шумов лазера**

**Hinrikus, Hiie** III всесоюзная научно-техническая конференция "Фотометрия и ее метрологическое обеспечение" (2-6 дек.): Тезисы докладов 1979 / с. 295

## **Минимизация ошибок в лазерном рециркуляционном дальномере**

**Zahharov, Boriss; Krusell, Urmas** Тезисы докладов III Всесоюзной конференции "Применение лазеров в технологии и системах передачи и обработки информации", 11-13 ноября 1987 г. 3, Лазерные системы передачи и обработки информации 1987 / с. 25 [https://www.ester.ee/record=b1273195\\*est](https://www.ester.ee/record=b1273195*est)

## **Некоторые особенности при выборе типа лазеров для импульсных светодальнометров**

**Krusell, Urmas** Исследования по прикладной квантовой электронике 1989 / с. 51-55

## **Применение лазеров в технологии и системах передачи и обработки информации : тезисы докладов III Всесоюзной конференции 11-13 ноября 1987 г. 1**

1987 [https://www.ester.ee/record=b1273174\\*est](https://www.ester.ee/record=b1273174*est)

## **Применение лазеров в технологии и системах передачи и обработки информации : тезисы докладов III Всесоюзной конференции 11-13 ноября 1987 г. 2**

1987 [https://www.ester.ee/record=b1273191\\*est](https://www.ester.ee/record=b1273191*est)

## **Применение лазеров в технологии и системах передачи и обработки информации : тезисы докладов III Всесоюзной конференции 11-13 ноября 1987 г. 3**

1987 [https://www.ester.ee/record=b1273195\\*est](https://www.ester.ee/record=b1273195*est)

## **Применение лазеров в технологии и системах передачи и обработки информации : тезисы докладов III Всесоюзной конференции 11-13 ноября 1987 г. 4**

1987 [https://www.ester.ee/record=b1273197\\*est](https://www.ester.ee/record=b1273197*est)

## **Применение совмещенного режима работы лазера для измерения спектра его излучения**

**Zahharov, Boriss; Meigas, Kalju; Hinrikus, Hiie** Тезисы докладов III Всесоюзной конференции "Применение лазеров в технологии и системах передачи и обработки информации", 11-13 ноября 1987 г. 3, Лазерные системы передачи и обработки информации 1987 / с. 18 [https://www.ester.ee/record=b1273195\\*est](https://www.ester.ee/record=b1273195*est)

## **Расчет систем квантовой электроники с учетом избыточных шумов**

**Hinrikus, Hiie-Agnes** Исследования по прикладной квантовой электронике 1980 / с. 3-14 : илл [https://www.ester.ee/record=b1264135\\*est](https://www.ester.ee/record=b1264135*est) <https://digikogu.taltech.ee/et/Item/f0ea9a48-f3f6-47c5-b32e-0623bc73476a>

#### **Служебный канал лазерной системы связи**

**Lapimaa, J.** Исследования по прикладной квантовой электронике 1980 / с. 35-40 : илл [https://www.ester.ee/record=b1264135\\*est](https://www.ester.ee/record=b1264135*est)  
<https://digikogu.taltech.ee/et/Item/f0ea9a48-f3f6-47c5-b32e-0623bc73476a>

#### **Шумы в лазерах на CO<sub>2</sub>**

**Taklaja, Andres** Труды по радиотехнике : сборник статей. 1 1974 / с. 49-52 : илл [https://www.ester.ee/record=b2190658\\*est](https://www.ester.ee/record=b2190658*est)  
<https://digikogu.taltech.ee/et/Item/5cef14c6-ad1c-48d0-970c-a5748f195738>

#### **Шумы лазера на CO<sub>2</sub>**

**Kaarna, A.; Hinrikus, Hiie** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 149 [https://www.ester.ee/record=b1306141\\*est](https://www.ester.ee/record=b1306141*est)

#### **Шумы фотодетектирования при непрерывном совмещенном режиме работы лазера**

**Meigas, Kalju; Zahharov, Boriss; Hinrikus, Hiie-Agnes** Исследования по прикладной квантовой электронике 1987 / с. 9-14  
[https://www.ester.ee/record=b1273963\\*est](https://www.ester.ee/record=b1273963*est)