

A trap detector for precise measurements of optical radiation power

Kübarsepp, Toomas; Kärhää, Petri BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 195-200: ill

Accurate measurements of electrical conductivity of metals in the range from 2 MS/m to 14 MS/m

Parker, Martin; Pokatilov, Andrei; Raba, Karl; Kübarsepp, Toomas Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 700-704 : ill

Alignment position method for SPAD detector calibration and homogeneity

Dhoska, Klodian; Hofer, Helmuth; Lopez, Marco; Kübarsepp, Toomas; Kück, Stefan International journal of scientific reports 2015 / p. 271-274 : ill <http://dx.doi.org/10.18203/issn.2454-2156.IntJSciRep20151253>

Beam properties of trap detectors

Kübarsepp, Toomas; White, Malcolm; Jaanson, Priit Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 233 : ill

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>

Compact two-element transmission trap detector for 1550 nm wavelength

Vaigu, Aigar; Kübarsepp, Toomas; Manoocheri, Farshid Measurement science and technology 2015 / p. 1-6 : ill

Detection efficiency calibration of Si-SPAD detectors via comparison with a Si-standard diode

Dhoska, Klodian; Hofer, Helmuth; Lopez, Marco; Rodiek, Beatrice; Kübarsepp, Toomas; Kück, Stefan Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 110-115 : ill <http://innomet.ttu.ee/daaam/>

Determination of e/h ratio by optical measurements

Kübarsepp, Toomas; Tamre, Mart; Gran, Jarle; Monakhov, Edouard; Merimaa, M.; Werner, Lutz; Rastello, Maria Luisa 29th Conference on Precision Electromagnetic Measurements, DIGEST, Rio de Janeiro, Brazil, August 24-29, 2014 2014 / p. 236-237 <https://doi.org/10.1109/CPEM.2014.6898346> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Determination of electrical conductivity of metal plates using planar spiral coils

Kolyshkin, Andrei; Kübarsepp, Toomas; Märten, Olev; Pokatilov, Andrei Recent Advances in Systems : proceedings of the 13th International Conference of Systems 2009 / p. 545-550

Development of automated measurement setup for standard resistors

Pokatilov, Andrei; Kübarsepp, Toomas BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 161-162

Development of national standard for voltage unit based on solid-state references = Pinge mõõtühiku riigietaloni arendamise Zener-tüüpi etalonpingeallikate baasil

Pokatilov, Andrei; Kübarsepp, Toomas 2008 https://www.ester.ee/record=b2425069*est

Dimensional accuracy for multi-element photodetector

Dhoska, Klodian; Vabson, Viktor; Hermaste, Aigar; Kübarsepp, Toomas Proceedings of NEWRAD 2014 2014 / p. 352 : ill

Eddy current electrical conductivity measurements for temperature measurements

Parker, Martin; Pokatilov, Andrei; Kübarsepp, Toomas 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 259-260 : ill

Effect of keysight 3458A jitter on precision of phase difference measurement

Pokatilov, Andrei; Kübarsepp, Toomas; Vabson, Viktor IEEE transactions on instrumentation and measurement 2016 / p. 2595-2600 : ill <https://doi.org/10.1109/TIM.2016.2593965> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of environmental conditions on the performance of thermal imagers

Vendt, Riho; Juurma, Madis; Vabson, Viktor; Jaanson, Priit; Kübarsepp, Toomas; Noorma, Mart International journal of thermophysics 2011 / 1/2, p. 248-257 : ill <https://link.springer.com/article/10.1007/s10765-010-0896-4>

Establishment of national standard of voltage unit in Estonia

Pokatilov, Andrei; Kübarsepp, Toomas BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 157-160

Grid-based computational algorithm for accurate AC conductivity measurements

Pokatilov, Andrei; Parker, Martin; Kübarsepp, Toomas; Märten, Olev; Kolyshkin, Andrei 16th International Congress of Metrology 2013 / p. 1-4 : ill

High accuracy filter transmission measurement for determination of the detection efficiency calibration of Si-SPAD detectors

Dhoska, Klodian; Hofer, Helmuth; Rodiek, Beatrice; Lopez, Marco; **Kübarsepp, Toomas;** Kück, Stefan Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 123-127 : ill

High-attenuation tunnel-type detector for calibration of single-photon devices

Kübarsepp, Toomas; Pokatilov, Andrei; Vabson, Viktor; **Dhoska, Klodian** Proceedings of NEWRAD 2014 2014 / p. 115-116 : ill

Improvement of the detection efficiency calibration and homogeneity measurement of Si-SPAD detectors

Dhoska, Klodian; Hofer, Helmuth; Rodiek, Beatrice; Lopez, Marco; **Kübarsepp, Toomas;** Kück, Stefan SpringerPlus 2016 / p. 1-14 : ill <https://doi.org/10.1186/s40064-016-3735-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inhomogeneity correction in calibration of electrical conductivity standards

Pokatilov, Andrei; Parker, Martin; Kolyshkin, Andrei; **Märten, Olev; Kübarsepp, Toomas** Measurement 2013 / p. 1535-1540 : ill <https://doi.org/10.1016/j.measurement.2012.12.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of planar coil for eddy current conductivity measurements in wide frequency range

Parker, Martin; Pokatilov, Andrei; Kübarsepp, Toomas; Märten, Olev; Kolyshkin, Andrei 19th Symposium IMEKO TC 4 Symposium and 17th IWADC Workshop Advances in Instrumentation and Sensors Interoperability, July 18-19, 2013, Barcelona, Spain 2013 / p. 55-59

Measurement equipment for low level vibration studies in mass laboratory

Parker, Martin; Kübarsepp, Toomas; Pärn, Angela 4th IMEKO TC22 Conference on Vibration Measurement 2017 : Held together with TC3 and TC5, Helsinki, Finland, 30 May - 1 June, 2017 2017 / p. 76-78 <http://toc.proceedings.com/35394webtoc.pdf>

Measurement methods with 3D coordinate measuring machine and improved characterization setup for detector performance = Mõõtemetodid detektori toimimise iseloomustamiseks 3D-koordinaatmõõtemasina ja arendatud mõõteskeemiga

Dhoska, Klodian 2016 <https://digi.lib.ttu.ee/i/?5296> https://www.ester.ee/record=b4574991*est

Method for obtaining linear spectral responsivity of InGaAs-photodetector in the NIR wavelength range

Pokatilov, Andrei; Parker, Martin; Kübarsepp, Toomas; Vabson, Viktor; Vendt, Riho; Ansko, Ilmar; Manoocheri, Farshid BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 31-34 : ill http://www.ester.ee/record=b2150914*est

Metrological overview for coordinate measuring machines

Dhoska, Klodian; Kübarsepp, Toomas; Dorri, Altin; **Pramono, Agus** Instrumentation and measurement systems 2015 / p. 195-199 : ill <http://dx.doi.org/10.4028/www.scientific.net/AMM.771.195>

Metrological problem mapping for coordinate measuring machines

Dhoska, Klodian; Kübarsepp, Toomas 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 312-316 : ill

Metrology for industrial quantum communications : the MIQC project

Rastello, Maria Luisa; Degiovanni, I. P.; **Kübarsepp, Toomas** Metrologia 2014 / p. S267-S275 : ill

The MIQC-project - metrology for industrial quantum communications

Rastello, Maria Luisa; Sinclair, A. G.; **Kübarsepp, Toomas** Proceedings of NEWRAD 2014 2014 / p. 99-100

Optimization of the alignment position for SPAD-detector calibration

Dhoska, Klodian; Hofer, Helmuth; Lopez, Marco; **Kübarsepp, Toomas;** Kück, Stefan Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 201-202 : ill

Predictable quantum efficient detector I : photodiodes and design

Sildoja, Meelis; Manoocheri, Farshid; **Kübarsepp, Toomas** Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 227-228 : ill <https://cris.vtt.fi/en/publications/predictable-quantum-efficient-detector-i-photodiodes-and-predict>

Predictable quantum efficient detector. I, Photodiodes and predicted responsivity

Sildoja, Meelis; Manoocheri, Farshid; Merimaa, Mikko; Ikonen, Erkki; Müller, Ingmar; Werner, Lutz; Gran, Jarle; **Kübarsepp, Toomas;** Smid, Marek; Rastello, Maria Luisa Metrologia 2013 / p. 385-394 : ill <https://doi.org/10.1088/0026-1394/50/4/385> <https://cris.vtt.fi/en/publications/predictable-quantum-efficient-detector-i-photodiodes-and-predict> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predictable quantum efficient detector II : characterization results

Müller, Ingmar; Brida, G.; **Kübarsepp, Toomas** Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 209-210 : ill

Predictable quantum efficient detector. II, Characterization and confirmed responsivity

Müller, Ingmar; Johannsen, Uwe; Linke, Ulrike; Socaciu-Siebert, Liana; Smid, Marek; Porrovecchio, Geiland; Sildoja, Meelis; Manoocheri, Farshid; Ikonen, Erkki; Gran, Jarle; **Kübarsepp, Toomas**; Brida, Giorgio; Werner, Lutz Metrologia 2013 / p. 395-401 : ill
<https://doi.org/10.1088/0026-1394/50/4/395> <https://www.scilit.com/publications/aacc372397c67cffa0451e026894282f> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Predictable quantum efficient detector (PQED)

Manoocheri, Farshid; Sildoja, Meelis; **Kübarsepp, Toomas** Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 13-15 : ill https://physics.nist.gov/newrad2011/presentations/day3/AM/4_Manoocheri_NEWRAD_invited.pdf

Simplified algorithm applicable for vibration measurements in buildings

Parker, Martin; Kübarsepp, Toomas 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 201-202
http://www.ester.ee/record=b4650094*est

Simulations of a predictable quantum efficient detector with PC1D

Gran, Jarle; **Kübarsepp, Toomas**; Sildoja, Meelis; Manoocheri, Farshid; Ikonen, Erkki; Müller, Ingmar Metrologia 2012 / p. S130-S134 : ill <https://research.aalto.fi/en/publications/simulations-of-predictable-quantum-efficient-detector-with-pc1d>

Simulations of predictable quantum efficient detector with PC1D

Gran, Jarle; **Kübarsepp, Toomas**; Sildoja, Meelis; Manoocheri, Farshid; Ikonen, Erkki; Müller, Ingmar Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 263-265 : ill <https://cris.vtt.fi/en/publications/simulations-of-a-predictable-quantum-efficient-detector-with-pc1d>

Standards for radiometric calibration of electro-optical devices in Estonia

Veismann, Uno; Pehk, M.; **Kübarsepp, Toomas** BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 187-193: ill

The impact of metrology in industrial sector in Estonia

Simson, Kaarel; **Kübarsepp, Toomas** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 227-232 : ill

The silicon photodiodes as standard detectors in optical radiometry

Veismann, Uno; **Kübarsepp, Toomas**; Vajakas, Toivo BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 341-342: ill

3D measurement setup for angle measurement multi-element photo-detector

Dhoska, Klodian; Kübarsepp, Toomas; Hermaste, Aigar 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 256-258 : ill

Toward traceable few photon radiometry

Brida, G.; Cheung, J.; **Kübarsepp, Toomas** Proceedings of NEWRAD : [Maui, Hawaii, 18-23 September 2011] 2011 / p. 293-294 : ill https://physics.nist.gov/newrad2011/presentations/day4/PM/1_SFR_OR_006.pdf

Traceability at the single photon level for quantum communication

Vaigu, Aigar; **Kübarsepp, Toomas**; Manoocheri, Farshid Proceedings of NEWRAD 2014 2014 / p. 109-110 : ill

Traceability of temperature measurements in Estonia

Vendt, Riho; Vabson, Viktor; **Kübarsepp, Toomas**; Noorma, Mart Proceedings of the Estonian Academy of Sciences 2013 / p. 116-121 : ill

Traceability of voltage and resistance measurements in Estonia

Pokatilov, Andrei; Kübarsepp, Toomas Transverse Disciplines in Metrology : proceedings of the 13th International Metrology Congress : 2007, Lille, France 2009 / p. 533-542 <https://onlinelibrary.wiley.com/doi/abs/10.1002/9780470611371.ch46>

Uncertainty evaluation of angle measurements by using 3D coordinate measuring machine

Dhoska, Klodian; Kübarsepp, Toomas; Hermaste, Aigar Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 221-225 : ill

Verification of performance of commercial LCR meters

Satrapinski, Alexandre; **Kübarsepp, Toomas; Märten, Olev** Conference on Precision Electromagnetic Measurements, DCC, Daejeon, Korea 2010 <https://ieeexplore.ieee.org/document/5545242>

