Publication list of Laszlo B. Kish
(Until 1999, his family name was Kiss)

January 2022.

439 items listed
(Conference posters without paper publication are omitted)

A: Patents and patent disclosures (25 items: 9 patents and 16 disclosures)

B: Books/edited journal issues/proceedings (18 items)

C: Peer reviewed journal articles (235 articles)
   (C*: Invited review papers in peer reviewed journals: 6 articles)
   (C: Regular papers in peer reviewed journals: 229 articles)

D: Invited and plenary talks at international conferences (67 articles)

E: Book chapters and regular talks at international conferences (94 articles)

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A. Patents and patent disclosures (25 items)
   (6 US patents, 3 Swedish patents and 16 disclosures of other inventions)


A-1. L.B. Kiss, C.G. Granqvist, J. Söderlund, "Detection of chemicals based on resistance fluctuation-spectroscopy", Swedish patent, # SE 9803019-0; Publ. No.: 513148 (now, public) http://was.prv.se/spd/pdf/G8V-xToJGAh7WS3oljenFLq/SE513148C2.pdf

B. Monograph; edited books; edited journal issues; and proceedings (18 items)


C. Peer reviewed journal articles (232 articles)

C+ Invited review papers in peer reviewed journals (6 articles)


C. Regular papers in peer reviewed journals (229 articles)


C-213. M. Melhem, L.B. Kish, "Static-loop-current attack against the KIJN secure key exchange system",


C-193. L.B. Kish, C.G. Granqvist, S.P. Khatri, F. Pepper, "Zero and negative energy dissipation at information-


C-159. L.B. Kish, Hung C. Chang, Maria D. King, Chimian Kwan, James O. Jensen, Gabor Schmera, Janusz


C-134. L.B. Kish, O. Saidi, "Unconditionally secure computers, algorithms and hardware, such as memories, Fluctuation and Noise Letters 8 (June 2008) L95-L98.


C-75. P. Ruszczynski, L.B. Kish, S.M. Bezrukov, "Noise-assisted traffic of spikes through neuronal junctions", Chaos 11 (2001) 581


D. Invited, keynote and plenary talks at international conferences (67 articles)


*Paper presented by L.B. Kish.*

*Paper presented by L.B. Kish.*

*Paper presented by L.B. Kish.*

*Paper presented by L.B. Kish.*

*Paper presented by L.B. Kish.*

*Paper presented by F. Peper.*

*Paper presented by L.B. Kish.*

*Paper presented by L.B. Kish.*

*Paper presented by L.B. Kish.*

*Paper presented by L.B. Kish.*

*Paper presented by G. Schmera.*

*Paper presented by L.B. Kish.*
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*Paper presented by L.B. Kish.*


*Paper presented by Maria King.*

D-44. **L.B. Kish**, Y. Li, "Heat, Speed and Error Limits of Moore's Law at the Nano Scale", Invited Talk, Second Conference on Nanoscale Devices and System Integration, April 4-6, 2005, Houston, TX, USA.

*Paper presented by Y. Li.*


*Paper presented by Maria King.*


*Paper presented by L.B. Kish.*


*Paper presented by L.B. Kish.*


*Paper presented by L.B. Kish.*


*Paper presented by Mosong Cheng.*

D-38. M. D. King, S. Seo, J. U. Kim, M. Cheng, **L. B. Kish**, R. F. Young, "Nanoscale detection of bacteriophage triggered ion cascade, invited talk, conference Fluctuations and Noise in Biological, Biophysical and Biomedical Systems III, SPIE's Third Symposium on Fluctuations and Noise (FaN'05), Austin, TX, May 24-26, 2005.

*Paper presented by Maria King.*


*Paper presented by Peter Heszler.*


Paper presented by L.B. Kish at the SPIE Conference on Smart Electronics and MEMS, Melbourne, Australia, 13-15th December 2000


Paper presented by L.B. Kish as a keynote talk, in the session "In-situ and Surface Analysis", 7th Internat. Conf. on Plasma Surface Engineering; Garmisch-Partenkirchen, Germany, September 17-21, 2000


Paper presented by L.B. Kish at the Symp. on Nanophase and Nanocomposite Materials, the 1999 Fall Meeting of the Materials Research Society (MRS), 28 Nov. - 3 Dec. 1999, Boston, USA


Paper presented by L.B. Kish.


Paper presented by L.B. Kish as an invited talk at the Final Annual Scientific Meeting of the European Science Foundation's NANO Network, 10-11 December 1999, Duisburg, Germany


Paper presented by L.B. Kish as a plenary talk at the European Aerosol Conference '99 (EAC'99), Sept. 5-10, 1999, Prague


Paper presented by L.B. Kish as an invited talk at the 15th International Conference on Noise in Physical Systems (ICNF'99), 23-26 August 1999, Hong Kong


Paper presented by L.B. Kiss as an invited talk at the Symposium on Nanostructured Materials by Gas Deposition Technique, 11-12 December 1998, Tsukuba, Japan


Paper presented by L.B. Kiss as an invited talk at the Fourth International Conference of Nanostructured Materials, NANO'98, Stockholm, June 1998


Paper presented by L.B. Kiss as an invited talk at the Euroconference "Nanoscience and Nanotechnology", Denmark, May 1998

Paper presented by Z. Gingl as an invited talk at the 1st Internat. Conf. on Stochastic Resonance in Biological Systems, Arcidosso, Italy, May 1998


Paper presented by Z. Gingl as an invited talk at the 14th International Conference on Noise in Physical Systems (ICNF'97), Leuven, Belgium, July 1997


Paper presented by L.B. Kiss as an invited talk at Dynamics Days 1996, Lyon, France, July 1996


Paper presented by L.B. Kiss as an invited talk at the 13th International Conference on Noise in Physical Systems (ICNF'95), Palanga, Lithuania, June 1995


Paper presented by L.B. Kiss as an invited talk at 3rd Techn. Conf. on Nonlin. Dynam. and Full Spectrum Processing, Mystic, USA, July 1995

D-7. L.B. Kiss and Z. Gingl, "Stochastic Resonance: Around the Threshold...",

Paper presented by L.B. Kiss as an invited talk at Adriatico Res. Conf. on Randomness, Stochasticity and Noise, ICTP, Trieste, Italy, August 1995


Paper presented by L.B. Kiss as an invited talk at Noise and Reliability of Semiconductor Devices, Brno, Czech Rep., July 1995


D-3. L.B. Kiss, Z. Gingl, Zs. Marton, J. Kertesz, F. Moss, G. Schmera and A. Bulsara, "1/f noise in systems showing stochastic resonance"; published as D-33


Paper presented by L.B. Kiss as an invited talk at ICNF-9, Montreal, Canada, May 1987.
E. Regular papers at international conferences, and book chapters (94 articles)
*posters without paper publication are omitted*

Presented by G. Vadai.

Presented by C. Kwan.

Presented by C. Kwan.

E-91. L.B. Kish, "Is there thermal noise in thermal equilibrium at zero temperature?", 8th International Conference on Unsolved Problems on Noise (UPoN-2018), July 9-13, Gdansk, Poland.
Presented by L.B. Kish.

E-90. J. Song, L.B. Kish, "Standalone cold virtual resistor? Can we cool by a linear amplifier without non-linearity, switches, or phase transition?", 8th International Conference on Unsolved Problems on Noise (UPoN-2018), July 9-13, Gdansk, Poland.
Presented by L.B. Kish.

E-89. M. Melhem, L.B. Kish, "How to defend against loop current attacks in the KLJN secure key exchange scheme?", 8th International Conference on Unsolved Problems on Noise (UPoN-2018), July 9-13, Gdansk, Poland.
Presented by L.B. Kish.

E-88. L.B. Kish, "Information storage and channel capacity of brain; an unsolved problem of noise", 8th International Conference on Unsolved Problems on Noise (UPoN-2018), July 9-13, Gdansk, Poland.
Presented by L.B. Kish.

E-87. L.B. Kish, "Mathematical model for the impact of political correctness on science", 8th International Conference on Unsolved Problems on Noise (UPoN-2018), July 9-13, Gdansk, Poland.
Presented by L.B. Kish.

Presented by L.B. Kish.

http://europe.uab.es/upon2015/Slides/p022.pdf
Presented by L.B. Kish.

Presented by L.B. Kish.

Presented by Robert Mingesz.

E-82. L.B. Kish, C.G. Granqvist, S.P. Khatri, J. Smulko, "Critical Remarks on Landauer's theorem of erasure-

Presented by Janusz Smulko.


Presented by Sunil Khatri.


Hot Topic of Physical Informatics (HoTPI-2013), November 10-13, 2013, Changsha, China.

Presented by L.B. Kish.


Hot Topic of Physical Informatics (HoTPI-2013), November 10-13, 2013, Changsha, China.

Presented by L.B. Kish.


Hot Topic of Physical Informatics (HoTPI-2013), November 10-13, 2013, Changsha, China.

Presented by L.B. Kish.


Presented by R. Nevels.


DOI: 10.1007/978-94-017-9548-7_45 . http://link.springer.com/chapter/10.1007%2F978-94-017-9548-7_45

Presented by L.B. Kish.


Paper presented by L.B. Kish.


Presented by J. Smulko.


Presented by L.B. Kish.


Paper presented by S. Khatri.


Paper presented by S. Khatri.


Paper presented by C. Kwan.


E-56. J. Ederth, J. Smulko, L.B. Kish, P. Heszler, G. Niklasson, C. Granqvist, "Gas sensing by resistance

*Paper presented by L.B. Kish.*

*Paper presented by M. McDonnell.*

*Paper presented by L.B. Kish.*


*Paper presented by G. Schmera.*

*Paper presented by G. Schmera.*


*Paper presented by S. Sethuraman.*

*Paper presented by J. Kim.*

*Paper presented by L.B. Kish.*

E-45. L.B. Kish, "Moore's law is killed by classical physics: can quantum information save it?", conference *Noise and Information in Nanoelectronics, Sensors, and Standards*, Santa Fe, June, 2003; L. B. Kish, F.

Paper presented by L.B. Kish.


Paper presented by S. Sethuraman.


Paper presented by L.B. Kish.


Paper presented by J. Smulko.


Paper presented by L.B. Kish.


Paper presented by L.B. Kish.

E-38. L.B. Kish, G. Schmera, "Surface diffusion enhanced chemical sensing by surface acoustical waves", IMCS 2002, 9th International Meeting on Chemical Sensors, Boston, July 7-10, 2002

Paper presented by G. Schmera.


Paper presented by J. Ederth


Paper presented by L.K.J. Vandamme.


Paper presented by P. Ruszczynski.


Paper presented by P. Heszler.


Paper presented by L.B. Kish.
Paper presented by L.B. Kish

Paper presented by S. Roumiantsev.

Paper presented by J. Solis.

Paper presented by J. Solis.

Paper presented by J. Solis.

Paper presented by J. Solis.

Paper presented by L.B. Kiss at the 15th International Conference on Noise in Physical Systems (ICNF’99), 23-26 August 1999, Hong Kong

Paper presented by R. Vajtai at Sensor’99, Nürnberg, Germany, 18th May 1999

Paper presented by L.B. Kiss at 2nd International Conf. on Unsolved Problems of Noise (UPoN’99), Adelaide, Australia, 11-15 July, 1999

Paper presented by L.B. Kiss at 2nd International Conf. on Unsolved Problems of Noise (UPoN’99), Adelaide, Australia, 11-15 July, 1999

Paper presented by L.B. Kiss at 2nd International Conf. on Unsolved Problems of Noise (UPoN’99), Adelaide, Australia, 11-15 July, 1999

Paper presented by L.B. Kiss at the Internat. Conf. on Stochastic and Chaotic Dynamics, Ambleside (UK) 16–20 August 1999

Paper presented by C. Pennetta at ICNF-14, Leuven, Belgium, July 1997
_Paper presented by C. Pennetta 21-th Internat. Conf on Microelectronics, Nis (Yugoslavia), September 1997_

_Paper presented by C. Pennetta at S. Margherita di Pula (CA), Italy, September 1997_

_Paper presented by L.B. Kiss at UPoN'96, Szeged, Hungary, 3-7 September 1996_

_Paper presented by K. Loerincz at UPoN'96, Szeged, Hungary, 3-7 September 1996_

_Paper presented by Z. Gingl at UPoN'96, Szeged, Hungary, 3-7 September 1996_

_Paper presented by C. Pennetta at UPoN'96, Szeged, Hungary, 3-7 September 1996_


E-12. L.B. Kiss, “Significant improvement of signal to ratio by stochastic resonance”, published in D-9, p. 714
_Paper presented by L.B. Kiss at ICNF-13, Palanga, Lithuania, June 1995_


_Paper presented by L.B. Kiss at Low Temperature Physics-19, Oregon, USA, August 1994_


_Paper presented by M. Björnander at NATO Advanced Study Institute, Greek, 1994_

_Paper presented by M. Björnander at ALPBACH, Austria, 1994_

_Paper presented by L.B. Kiss at ICNF-11, Kyoto, Japan, November 1991._

E-5. Z. Gingl, L.B. Kiss and R. Vajtai, "1/1f noise generated by scaled Brownian motion", published with D-2., p. 335
_Paper presented by Z. Gingl at ICNF-10, Budapest, Hungary, August 1989_
*Paper presented by Gy. Trefan at ICNF-10*, Budapest, Hungary, August 1989

*Paper presented by A. Ambrozy at ICNF-10*, Budapest, Hungary, August 1989

*Paper presented by L.B. Kiss at ICNF-8*, Rome, Italy, September 1985

E-1.  A. Ambrozy and **L.B. Kiss**, "1/f noise generator", published with **E-2.**, p. 445  
*Paper presented by A. Ambrozy at ICNF-8*, Rome, Italy, September 1985