Lee, Jeong-A, Chosun University, Korea



























Vita

Professor Lee Jeong-A, Chosun University, Korea

Education

- 1990	Ph.D.	UCLA (Computer Science), U.S.A.
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- 1985 M.S. Indiana University, Bloomington, U.S.A.

- 1982 B.S. Seoul National University, Korea



- 1995/03~ Present Professor, Chosun University

- 1990/08~1995/02 Assistant Professor, Univ. of Houston

- 2017/01~ Present Visiting Professor, Aalto University, Finland

- 2008/02~2009/12 Director of EECS, National Research Foundation of Korea

- 2006/01~ 2006/4 Visiting Professor, UCLA, U.S.A.

- 2000/08~2002/02 Visiting Professor, Stanford University

- 1999/08~1999/08 Visiting Professor, UC, Irvine, U.S.A.

- 1998/12~1999/02 Guest Lecturer/Visiting Professor, TU, Delft, Netherlands

- 1993/06~1994/04 Visiting Scientist, SSC Lab, U.S.A.

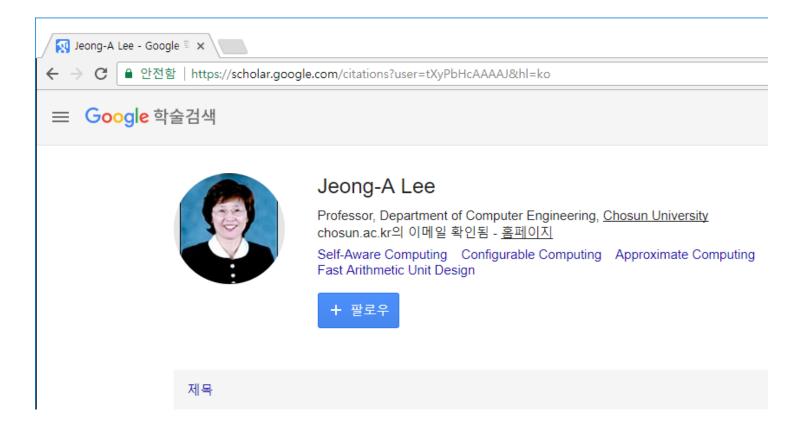
- 2001 ~ Present IEEE Senior Member





Research Interests and Publications

 Self-Aware Computing, Approximate ALU Design, Reliable and Configurable Computing, CPS





Recent projects

- Application-Aware Logic Transformation and Approximate Arithmetic Units: Energy-Efficient, Good Enough Computing Unit Design for error-tolerant applications (2016/06~2019/05, NRF, Korea)
- Scalable Self-test and Self-healing ALU Design (2013/6~2016/05, NRF, Korea)
- Reliable Bio-Emulating FPGA architecture (2010/05~2013/04, NRF, Korea)
- Exploring Korea-EU Collaboration for FP7 ICT Call for Ageing Well (2010/12~2011/08, NRF, Korea)





Microprocessors and Microsystems



Bio-inspired self-aware fault-tolerant routing protocol for network-on-chip architectures using Particle Swarm Optimization Smi Abba **** Jeong-A Leefs**

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Hossein Moradian ⁴, Jeong-A Lee ^{8,4}, Adnan Hashmi

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ARTICLE INFO

Sensors 2015, 15, 20316-20354; doi:10.5590/8150820

SENSOPS
ISSN 1424-8220

Article

An Autonomous Self-Aware and Adaptive Fault Tolerant Routing Technique for Wireless Sensor Networks

Sani Abba and Jeong-A Lee

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Academic Editor: Leonhard M. Reindl

Received: 16 June 2015 / Accepted: 10 August 2015 / Published: 18 August 2015

Abstract: We propose an autonomous self-owner and subprive fluid-tolerant routing technique (SAARIT) for wiseless storm returned. We odderse the institution of self-basility routings (SARIT) for wiseless storm returned. We odderse the institution of self-basility routing (SIRI) and self-selective routing (SIRI) selt-niques for routing stored stat. We also examine the integration of autonomic self-selective routing section of the contract of the self-selective routines performance in terms of the number resident selective routines performance in terms of the number of uncertainfy delivered more layered, each-selective routines selective delivered Moral (Dury practice) performance and efficient energy concervation in a highly conspeted fully in calculate sense reservoir rate, as well as efficient energy concervation in a highly conspeted fully in calculate sense reservoir.

Keywords: wireless sensor networks; autonomous self-awareness and adaptive; routing technique; fault tolerant; route repair; self-healing, ASAART

