

**View all Publications for 2012/2013**

Books

Journals

Conferences

***Computer Systems Design***

W. Ibrahim, and V. Beiu: On Enabling Redundant Designs for Nano Computations

In V. Beiu, and U. Rückert (Eds.): Emerging Brain-Inspired Nano-Architectures, 2013

V. Beiu, J.M. Quintana, and M.J. Avedillo

Threshold Logic Design and Implementations: From the Early Days into the Nanoera

In V. Beiu, and U. Rückert (Eds.): Emerging Brain-Inspired Nano-Architectures, 2013

M.H. Sulieman, and V. Beiu

From Single Electron Technology (SET) Full Adders to Optimal Practical SET Adders

In V. Beiu, and U. Rückert (Eds.): Emerging Brain-Inspired Nano-Architectures, 2013

V. Beiu, and U. Rückert: Roadmap for Nano Architectures

In V. Beiu, and U. Rückert (Eds.): Emerging Brain-Inspired Nano-Architectures, 2013

J. Nyathi, and V. Beiu: Advanced Techniques for Reducing Power Consumption

In V. Beiu, and U. Rückert (Eds.): Emerging Brain-Inspired Nano-Architectures, 2013

V. Beiu, L. Zhang, A. Beg, W. Ibrahim, and M. Tache: Axon-Inspired Communication Systems

In J.E. Morris and K. Iniewski (Eds.): Nanoelectronic Device Applications Handbook

CRC Press (Taylor & Francis Group), USA, June/July 2013, In press

A. Beg, M.H. Sulieman, V. Beiu, and W. Ibrahim: Low-Power Reliable Nano Adders  
In J.E. Morris and K. Iniewski (Eds.): Nanoelectronic Device Applications Handbook  
CRC Press (Taylor & Francis Group), USA, June/July 2013, In press

G. Wendin, D. Vuillaume, M. Calame, S. Yitzchaik, C. Gamrat, G. Cuniberti, and V. Beiu SYMONE Project: SYNaptic MOlecular NETworks for Bio-inspired Information Processing International Journal of Unconventional Computing, vol. 8, no. 4  
Nov. 2012 (IF ~ 0.648), 325-332

W. Ibrahim, V. Beiu, and A. Beg  
On Optimum Reliability Sizing for CMOS Gates  
IEEE Transactions on Reliability, vol. 61, no. 3  
Sept. 2012 (IF ~ 1.288), 675-686

W. Ibrahim, V. Beiu, and A. Beg  
GREDA: A Fast and More Accurate CMOS Gates Reliability EDA Tool  
IEEE Transactions on Computer-Aided Design of Integrated Circuits and System, vol. 31, no. 4  
Apr. 2012 (IF ~ 1.258), 509-521

F. Kharbash, V. Beiu, M. Tache, and W. Ibrahim  
How Much Could Biasing Help Maximizing the Static Noise Margins  
IEEE GCC Conference  
Doha, Qatar, Nov. 17-20, 2013. In preparation

N. Acharya, J. L. Raju, M. Tache, A. Kumar, and V. Beiu

On Monte Carlo for Predictive Technology Models

IEEE GCC Conference

Doha, Qatar, Nov. 17-20, 2013, In preparation

W. Ibrahim, V Beiu, M. Tache, and F. Kharbash

On Schmitt Trigger's and Other Inverters

European Workshop on CMOS Variability

VARI'13/PATMOS'13

Karlsruhe, Germany, Sept. 9-11, 2013, Submitted

M. Tache, V Beiu, W. Ibrahim, F. Kharbash, and M.

Alioto

Sizing for Static Noise Margins Revisited

European Workshop on CMOS Variability

VARI'13/PATMOS'13

Karlsruhe, Germany, Sept. 9-11, 2013, Submitted

V Beiu, A. Beg, W. Ibrahim, F. Kharbash, and M. Alioto

Enabling Sizing for Enhancing the Static Noise Margins

IEEE International Symposium on Quality in Electronic Design ISQED'13

Santa Clara, CA, USA, Mar. 4-6, 2013, In press

P. Santagati, and V Beiu: Will Thermal Noise Affect Nano-Communications?

IEEE International Conference on Communications, Signal Processing,

and their Applications ICCSPA'13

Sharjah, UAE, , Feb. 12-14, 2013, 6487322(1-4)

***E-Commerce***

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Al-Qirim, N. (2013). Determinants of Cloud Adoption and Diffusion in the Enterprise. In workshop: Emerging Data Center and Cloud Computing Technologies Organized by NYUAD and UAEU, Dec. 5, 2013, Al-Ain, UAE.

Ajami, R., Al-Qirim, N. (2013). Governing IT in Higher Education Institutions. In the proceedings of 2nd Science & Engineering Research Support Society's (SERSC) workshop on Education (Education 2013), December 11th 2013, Jeju Island, Korea.

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### ***Enterprise Systems***

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Shayma Alkobaisi, Wan D. Bae, Sada Narayanappa & Narayan Debnath (2012) Steel Threads: Software Engineering Constructs for Defining, Designing and Developing a Framework of Software System Architecture, Journal of Computational Methods in Science and Engineering, 12(Supplement-1) pp. 63-77.

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Y. Atif, "Pedagogy-Based Technology Enhancement in Tertiary Education", in "Strategic Role of Tertiary

education and Technologies for Sustainable Competitive Advantage", IGI Publishing, 2013.

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### ***Information Security***

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Maad Shatnawi, Sanja Lazarova-Molnar and Nazar Zaki: *Modeling and Simulation of Epidemic Spread: Recent Advances*, Innovations'13, Al Ain, United Arab Emirates, March, 2013.

Maryam Al Yammahi, Noura Al Kaabi, Noora Al Shehhi and Sanja Lazarova-Molnar: *Intelligent Student Advisor: Mobile Application*, Student Poster at Innovations'13, Al Ain, United Arab Emirates, March, 2013.

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