

Editorial

Entropy Best Paper Award 2014

Kevin H. Knuth

Department of Physics and Department of Informatics, University at Albany, 1400 Washington Avenue, Albany NY 12222, USA; E-Mail: kknuth@albany.edu; Tel. +1 518 442 4653; Fax: +1 518 442 5260

Received: 2 January 2014 / Published: 27 January 2014

In 2013, *Entropy* instituted the “Best Paper” award to recognize outstanding papers in the area of entropy and information studies published in *Entropy* [1]. We are pleased to announce the “*Entropy* Best Paper Award” for 2014. Nominations were selected by the Editor-in-Chief and designated Editorial Board Members from all the papers published in 2010. Reviews and research papers were evaluated separately. We gladly announce that the following three papers have won the Entropy Best Paper Award in 2014:

Article Award:

1st Prize

Alexander N. Gorban, Pavel A. Gorban and George Judge

Entropy: The Markov Ordering Approach

Entropy **2010**, *12*(5), 1145–1193; doi:10.3390/e12051145

Available online: <http://www.mdpi.com/1099-4300/12/5/1145>

2nd Prize

Andrzej Cichocki and Shun-ichi Amari

Families of Alpha- Beta- and Gamma- Divergences: Flexible and Robust Measures of Similarities

Entropy **2010**, *12*(6), 1532–1568; doi:10.3390/e12061532

Available online: <http://www.mdpi.com/1099-4300/12/6/1532>

Review Award:

1st Prize

Katherine L. Brown, William J. Munro and Vivien M. Kendon

Using Quantum Computers for Quantum Simulation

Entropy 2010, 12(11), 2268-2307; doi:10.3390/e12112268

Available online: <http://www.mdpi.com/1099-4300/12/11/2268>

The prize awarding committee merits the article “Entropy: The Markov Ordering Approach” as “... an extensive examination of the application of entropy to Markov processes. Two families of smooth divergences are distinguished as having natural properties relevant to Markov chains. Researchers involved with entropy and Markov chains should find this paper to be a valuable resource”. The article “Families of Alpha- Beta- and Gamma- Divergences: Flexible and Robust Measures of Similarities” represents “a comprehensive overview of information theoretic quantities ... Both theoreticians and practitioners involved with entropy in signal processing will find this paper to be a valuable resource.” The review “Using Quantum Computers for Quantum Simulation” surveys “the theoretical ground and experimental achievements towards quantum computations..., the authors demonstrate that even a modest quantum computer would facilitate substantial advances in several fields of research.”

These three exceptional papers are valuable contributions to *Entropy*. On behalf of the Prize Awarding Committee and the Editorial Board of *Entropy*, we would like to congratulate these three teams for their excellent work. In recognition of their accomplishment, Dr. Alexander N. Gorban and Dr. Andrzej Cichocki will receive prizes of 600 CHF and 400 CHF, respectively, along with the privilege to publish an additional paper (subject to peer review), free of charge, in open access format in *Entropy*. Dr. Katherine L. Brown will be awarded the privilege to publish an additional paper (subject to peer review) free of charge in open access format in *Entropy*.

Prize Awarding Committee

Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics and Department of Informatics, University at Albany, 1400 Washington Avenue, Albany NY 12222, USA

E-Mail: kknuth@albany.edu

Editorial Board Member

Prof. Dr. Takuya Yamano

Department of Information Sciences, Faculty of Science, Kanagawa University, 2946, 6-233 Tsuchiya, Hiratsuka, Kanagawa 259-1293, Japan

E-Mail: yamano@amy.hi-ho.ne.jp

Editorial Board Member

Prof. Dr. Jay Lawrence

The James Franck Institute, University of Chicago, Chicago, IL 60637, USA, and Department of Physics and Astronomy, Dartmouth College, Hanover, NH 03755, USA

E-Mail: Jay.Lawrence@Dartmouth.edu

Reference

1. Knuth, K.H. Entropy Best Paper Award 2013. *Entropy* **2013**, *15*, 698-699.

© 2014 by the authors; licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution license (<http://creativecommons.org/licenses/by/3.0/>).