COCORA 2016
The Sixth International Conference on Advances in Cognitive Radio

February 21-25, 2016
Lisbon, Portugal

## COCORA 2016 Editors

Mario Freire, University of Beira Interior, Portugal
Claus-Peter Rückemann, Leibniz Universität Hannover / Westfälische Wilhelms-Universität Münster / North-German Supercomputing Alliance (HLRN), Germany

## Printed from e-media with permission by:



## Some format issues inherent in the e-media version may also appear in this print version.

```
Copyright` (%)|⿻) by International Academy, Research, and Industry Association (IARIA)
Please refer to the Copyright Information page.
Printed by Curran Associates, Inc. (१००००
International Academy, Research, and Industry Association (IARIA)
4 1 2 \text { Derby Way}
Wilmington, DE }1981
Phone: (408) 893-6407
Fax: (408) 527-6351
petre@iaria.org
```

Additional copies of this publication are available from:
Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

## Table of Contents

Game based Cognitive Radio Bandwidth Allocation SchemeYoungjae Park and Sungwook KimExploring the Impact of Node Cooperation Level on Routing in Cognitive Radio NetworksLing Hou, Angus K. Y. Wong, and Alan K. H. YeungOptimal Action for Cognitive Radio User under Constrained Energy and Data Traffic UncertaintyHiep Vu Van, Young-Doo Lee, and Insoo Koo
Multi-Antenna Energy Detector Under Unknown Primary User TrafficPawan Dhakal and Daniel RivielloUnderlay Cognitive Radio Wireless Networks using Repetition Coding and Spread SpectrumSaed Daoud, David Haccoun, and Christian Cardinal
Analyzing the Effect of Spectrum Mobility on Mobile IPv6 in Cognitive Radio Networks
Manoj Kumar Rana, Bhaskar Sardar, Swarup Mandal, and Debashis Saha
LTE and WLAN Interference Suppression in CR Applications
Johanna Vartiainen and Risto VuohtoniemiCitizens Broadband Radio Service Spectrum Sharing Framework - A Path to New Business Opportunity for39Mobile Network Operators?
Seppo Yrjola

