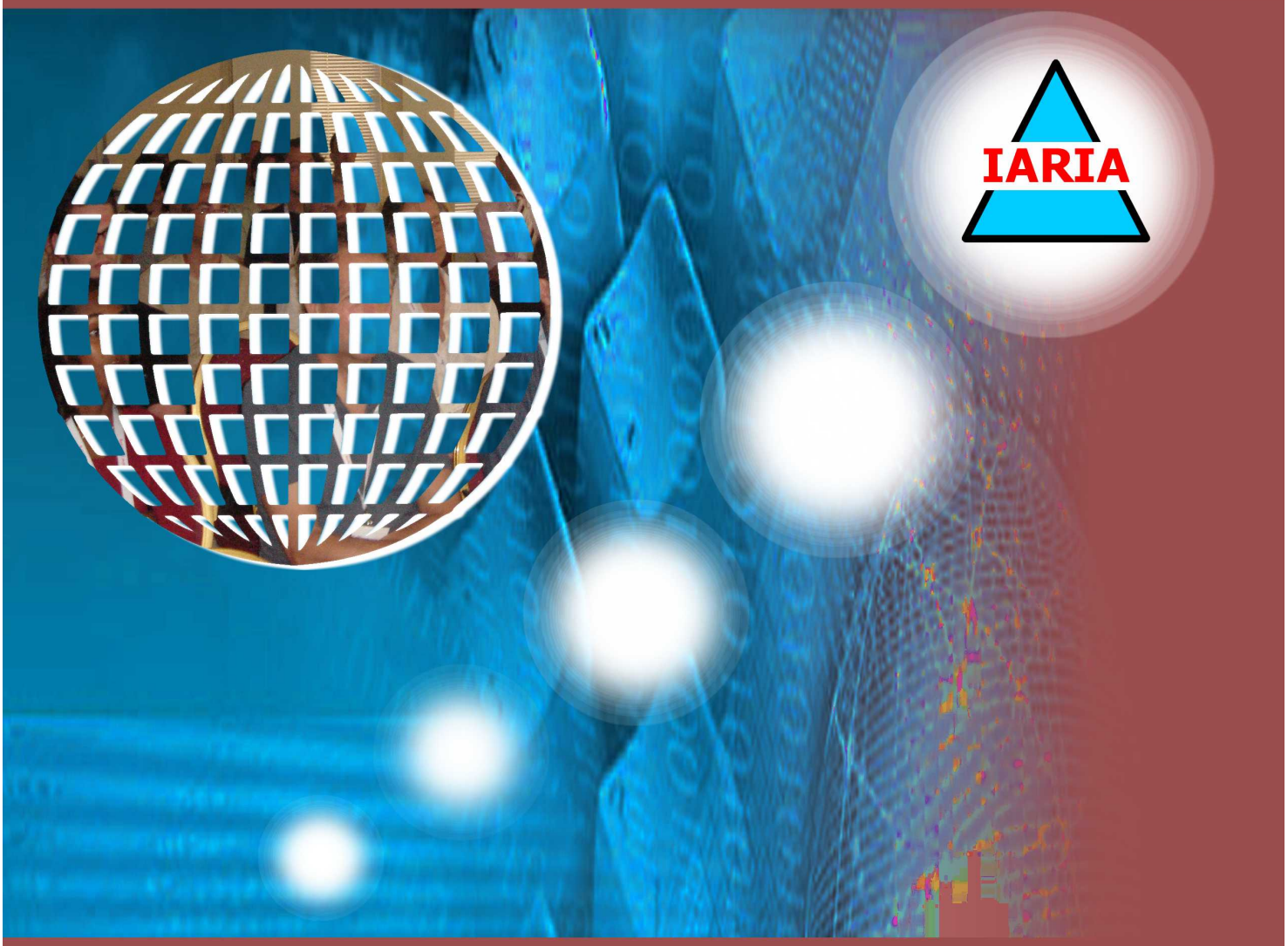
International Journal on Advances in Security



2009 vol. 2 nr. 2&3

The *International Journal on Advances in Security* is Published by IARIA.
ISSN: 1942-2636
journals site: http://www.iariajournals.org
contact: petre@iaria.org

Responsibility for the contents rests upon the authors and not upon IARIA, nor on IARIA volunteers, staff, or contractors.

IARIA is the owner of the publication and of editorial aspects. IARIA reserves the right to update the content for quality improvements.

Abstracting is permitted with credit to the source. Libraries are permitted to photocopy or print, providing the reference is mentioned and that the resulting material is made available at no cost.

Reference should mention:

International Journal on Advances in Security, issn 1942-2636
vol. 2, no. 2&3, year 2009, http://www.iariajournals.org/security/

The copyright for each included paper belongs to the authors. Republishing of same material, by authors or persons or organizations, is not allowed. Reprint rights can be granted by IARIA or by the authors, and must include proper reference.

Reference to an article in the journal is as follows:

<Author list>, "<Article title>"
International Journal on Advances in Security, issn 1942-2636
vol. 2, no. 2&3, year 2009,<start page>:<end page> , http://www.iariajournals.org/security/

IARIA journals are made available for free, proving the appropriate references are made when their content is used.

Sponsored by IARIA
www.iaria.org

Copyright © 2009 IARIA

International Journal on Advances in Security
Volume 2, Numbers 2&3, 2009

CONTENTS

Post-Payment Copyright System versus Online Music Shop: Business Model and Privacy **112 - 128**
Heikki Kokkinen, Nokia Research Center, Finland
Mikko V. J. Heikkinen, TKK Helsinki University of Technology, Finland
Markus Miettinen, Nokia Research Center, Finland

A Holistic Approach to Open Source VoIP Security: Results from the EUX2010SEC Project **129 - 141**
Lothar Fritsch, Norsk Regnesentral, Norway
Arne-Kristian Groven, Norsk Regnesentral, Norway
Lars Strand, Norsk Regnesentral, Norway
Wolfgang Leister, Norsk Regnesentral, Norway
Anders Moen Hagalisletto, Norsk Regnesentral, Norway

Encoding Subsystem Codes **142 - 155**
Pradeep Sarvepalli, Department of Physics and Astronomy, University of British Columbia, Canada
Andreas Klappenecker, Department of Computer Science and Engineering, Texas A&M University, USA

Security and User Aspects in the Design of the Future Trusted Ambient Networked Systems **156 - 170**
Seppo Heikkinen, Department of Communications Engineering, Tampere University of Technology, Finland
Kari Heikkinen, Communications Software Laboratory, Lappeenranta University of Technology, Finland
Sari Kinnari, Department of Communications Engineering, Tampere University of Technology, Finland

Networking and Security Issues for Remote Gaming: The Approach of G@L **171 - 181**
Christos Bouras, Research Academic Computer Technology Institute, Greece
Vassilis Poulopoulos, Research Academic Computer Technology Institute, Greece
Vassilis Tsogkas, Research Academic Computer Technology Institute, Greece

Distributed GIS Approach for Flood Risk Assessment **182 - 189**
Rifaat Abdalla, York University, Canada

A Legal Evaluation of Pseudonymization Approaches **190 - 202**
Thomas Neubauer, Vienna University of Technology, Austria
Mathias Kolb, Secure Business Austria, Austria

Business Intelligence Based Malware Log Data Analysis as an Instrument for Security Information and Event Management **203 - 213**
Tobias Hoppe, Ruhr-University of Bochum, Germany
Alexander Pastwa, Steria Mummert Consulting, Germany
Sebastian Sowa, Ruhr-University of Bochum, Germany

Enhancing Information Reliability through Backwards Propagation Of Distrust **214 - 225**
Panagiotis Metaxas, Wellesley College, USA

Assuring Quality in Vulnerability Reports for Security Risk Analysis **226 - 241**
Deepak Subramanian, Nanyang Technological University, Singapore
Le Ha Thanh, Nanyang Technological University, Singapore
Peter Kok Keong Loh, Nanyang Technological University, Singapore

Security Analysis of Private Data Enquiries in Erlang **242 - 255**
Florian Kammüller, Technische Universität Berlin, Germany
Reiner Kammüller, Universität Siegen, Germany

An Integrated System for Intelligence, Surveillance and Reconnaissance (ISR) **256 - 266**
Barbara Essendorfer, Fraunhofer IITB, Germany
Eduardo Monari, Fraunhofer IITB, Germany
Heiko Wanning, Fraunhofer IITB, Germany

Design Patterns for a Systemic Privacy Protection **267 - 287**
Kajetan Dolinar, Security Technology Competence Centre (SETCCE), Slovenia
Jan Porekar, Security Technology Competence Centre (SETCCE), Slovenia
Aleksej Jerman Blažič, Security Technology Competence Centre (SETCCE), Slovenia

Threats to the Swarm: Security Considerations for Swarm Robotics **288 - 297**
Fiona Higgins, University of London, UK
Allan Tomlinson, University of London, UK
Keith M. Martin, University of London, UK