# TABLE OF CONTENTS

**Workshop Organization** ..... 9

## Section 1: Rights and Services

**Exploring the Intellectual Rights in the Mashup Ecosystem** ..... 13
*G.R. Gangadharan, Michael Weiss, Vincenzo D'Andrea, and Renato Iannella*

**An ODRL Web Map Service Profile** ..... 23
*Alban Gabillon and Patrick Capolsini*

## Section 2: Organizing Virtual Business

**Legal P2P with »Freebies«** ..... 47
*Patrick Aichroth, Jens Hasselbach, Daniel Thommes, and Matthias Ullrich*

**Virtual Collections of Cultural Institutions** ..... 64
*Maria Śliwińska*

## Section 3: Technology for Digital Objects

**A System for Automatic Query Expansion in a Browser-Based Environment** ..... 79
*Mario Kubek and Hans Friedrich Witschel*

**Integrity and Authenticity for Digital Long-Term Preservation in iRODS Grid Infrastructure** ..... 90
*Maik Schott, Jana Dittmann, Claus Vielhauer, Christian Krätzer, and Andreas Lang*

**Adaptive Security for Virtual Goods – Building an Access Layer for Digital Watermarking** ..... 105
*Patrick Wolf, Martin Steinebach, and Sascha Zmudzinski*

## Section 4: Economy of Virtual Goods

**Measuring Success of Commerce Systems in Virtual Worlds** ..... 117
*Philip Reisberger, Tobias Reisberger, and Susanne Strahringer*

**Project Report: Open Science – An Offer for Open Society** ..... 139
*Marek Niezgódka*

## Section 5: Digital Content Protection

**The Dynamic Ciphers – New Concept of Long-Term Content Protecting** ..... 145
*Grzegorz Szewczyk*

**Forensic Digital Rights Management** ..... **161**
*Helge Hundacker*
**An Evaluation Framework for DRM** ..... **176**
*Alapan Arnab and Andrew Hutchison*

**Invited Talk:**
**The Policy-Aware Web Meets Virtual Goods** ..... **201**
*Dr. Renato Iannella*
*ODRL Initiative, http://www.odrl.net/ and National ICT Australia (NICTA), Brisbane, Australia*

**Invited Talk:**
**Emerging Web Native World and the Institutional Time Lag** ..... **203**
*Prof. Kazimierz Krzysztofek*
*Warsaw School of Social Psychology, Poland and Warsaw Foundation Pro Cultura, Poland*

**Invited Talk:**
**Digital Media Project** ..... **206**
*Dr. Leonardo Chiariglione*
*Digital Media Project, http://www.dmpf.org/ and CEDEO.net, Villar Dora (TO), Italy*

# WORKSHOP ORGANIZATION

## General Chair

**Wojciech Cellary**
*Department of Information Technology*
*Poznań University of Economics, PL*
*cellary@kti.ae.Poznań.pl*

**Jürgen Nützel**
*Computer Science - Digital Rights Management*
*4FriendsOnly.com Internet Technologies AG, Ilmenau, DE*
*jn@4fo.de*

## Local Organization

**Elżbieta Masztalerz**
*Department of Information Technology*
*Poznań University of Economics, PL*
*emasz@kti.ae.Poznań.pl*

## Steering Group for the Virtual Goods and ODRL Workshop Series

**Rüdiger Grimm**
*IT Risk Management*
*University of Koblenz-Landau, Koblenz, DE*
*grimm@uni-koblenz.de*

**Renato Iannella**
*National ICT Australia (NICTA), AU*
*renato@nicta.com.au*

**Jürgen Nützel**
*Computer Science - Digital Rights Management*
*4FriendsOnly.com Internet Technologies AG, Ilmenau, DE*
*jn@4fo.de*

# International Programme Committee

**Rüdiger Grimm**, *University of Koblenz-Landau, Koblenz, DE (PC chair)*

**Susanne Guth**, *Vodafone Group, Düsseldorf, DE (PC chair)*

**Borka J. Blazic**, *University and Jozef Stefan Institute, Ljubljana, SLO*

**Nathaniel Borenstein**, *IBM Lotus Division, Ann Arbor MI, USA*

**Karlheinz Brandenburg**, *Technical University Ilmenau, DE*

**Wojciech Cellary**, *Poznań University of Economics, PL (General Chair)*

**Jana Dittmann**, *University Magdeburg, DE*

**Ed Gerck**, *Safevote Inc., San Rafael, CA, USA*

**Berthold Hass**, *University of Koblenz-Landau, Koblenz, DE*

**Thomas Hess**, *University Munich, DE*

**Renato Iannella**, *National ICT Australia (NICTA), AU*

**Peter Kropf**, *Université de Neuchâtel, CH, and Université de Montréal, CAN*

**Kazimierz Krzysztofek**, *Warsaw School of Social Psychology, PL and Warsaw Foundation Pro Cultura, PL*

**Deepa Kundur**, *Texas A&M University, USA*

**Kia Ng**, *University Leeds, UK*

**Jürgen Nützel**, *4FriendsOnly.com AG, Ilmenau, DE (General co-chair)*

**Günther Pernul**, *University Regensburg, DE*

**Frank Stoll**, *UBS, Zurich, CH*

**Herwig Unger**, *Fernuniversität Hagen, DE*

# Section 1: Rights and Services