

ICIMP 2011

Foreword

The International Conference on Internet Monitoring and Protection (ICIMP 2011) held on March 20-25, 2011 in St. Maarten, The Netherlands Antilles, continued a series of special events targeting security, performance, vulnerabilities in Internet, as well as disaster prevention and recovery. Dedicated events focused on measurement, monitoring and lessons learnt in protecting the user.

Internet and Web-based technologies led to new frameworks, languages, mechanisms and protocols for Web applications design and development. Interaction between web-based applications and classical applications requires special interfaces and exposes various performance parameters.

The design, implementation and deployment of large distributed systems are subject to conflicting or missing requirements leading to visible and/or hidden vulnerabilities. Vulnerability specification patterns and vulnerability assessment tools are used for discovering, predicting and/or bypassing known vulnerabilities.

Vulnerability self-assessment software tools have been developed to capture and report critical vulnerabilities. Some of vulnerabilities are fixed via patches, other are simply reported, while others are self-fixed by the system itself. Despite the advances in the last years, protocol vulnerabilities, domain-specific vulnerabilities and detection of critical vulnerabilities rely on the art and experience of the operators; sometimes this is fruit of hazard discovery and difficult to be reproduced and repaired.

We take this opportunity to thank all the members of the ICIMP 2011 Technical Program Committee as well as the numerous reviewers. The creation of such a broad and high-quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and efforts to contribute to the ICIMP 2011. We truly believe that, thanks to all these efforts, the final conference program consists of top quality contributions.

This event could also not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the ICIMP 2011 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that ICIMP 2011 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in Internet Monitoring and Protection

We are convinced that the participants found the event useful and communications very open. The beautiful places of St. Maarten surely provided a pleasant environment during the conference and we hope you had a chance to visit the surroundings.

ICIMP 2011 Chairs

Go Hasegawa, Osaka University, Japan

Sathiamoorthy Manoharan, University of Auckland, New Zealand

Seppo Heikkinen, Tampere University of Technology, Finland

Guillaume Valadon, French Network and Information and Security Agency, France
Jaime Lloret Mauri, Polytechnic University of Valencia, Spain
Constantin Paleologu, University 'Politehnica' Bucharest, Romania
Michael Grottke, University of Erlangen-Nuremberg, Germany
Eduardo Cerqueira, Federal university of Para, Brazil
Gerardo Fernández-Navarrete, University of Málaga, Spain
Ejaz Ahmed, Queensland University of Technology (QUT)- Brisbane, Australia