

CCF 2016

THE 15th INTERNATIONAL CONFERENCE QUALITY AND DEPENDABILITY

WEDNESDAY, 14th of September 2016

PLENARY SESSION 1

Chairmen: *PhD eng. Dan Grigore STOICHIȚOIU – President of the Romanian Society for Quality Assurance*
PhD Isaac SHEPS - Convener of ISO/TC 176/SC2/WG25 (working group for revision of the ISO 9004)

Moving from Product Quality to Organization Quality to Achieve Sustained Success of an Organization. The Future of ISO 9004
Isaac SHEPS – Convener of ISO/TC 176/SC2/WG25 (working group for revision of the ISO 9004)

The integrated index of business standardization – Research and Development
Vidosav D. MAJSTOROVIĆ, Abuajila M. S RAWENI, Nuri Mohamed Saad ALGHERIANI – University of Belgrade, Serbia

ISO 9001:2015: A Revolution in Management?
Ioan C. BACIVAROV – University “Politehnica” Bucharest

PLENARY SESSION 2

Chairmen: *PhD. Prof. Vidosav D. MAJSTOROVIĆ – University of Belgrade, Serbia*
M.Sc. Steli LOZNEN – Israel Testing Laboratories Ltd., Israel

Standardul ISO 9001:2015, punct și de la capăt! J.M. Juran și versiunea 2015 a lui ISO 9001
Firică POPA – QUALIM SRL

Product Safety Needs a Horizontal Testing Standard?
Steli LOZNEN – I.T.L (Product Testing) Ltd., Israel

Risk approach in an integrated quality-environment management system
Daniela Simona MOLDOVAN – Compania Apa Braşov Romania
Călin Vasile NEAMȚU – Compania de Apa Someş SA Cluj Napoca

Global Harmonization of MED standards
Steli LOZNEN – I.T.L (Product Testing) Ltd., Israel

mHealth and consumer electronics
Steli LOZNEN – I.T.L (Product Testing) Ltd., Israel

PLENARY SESSION 3

Chairmen: *PhD eng. Prof.univ. Nicolae George Drăgulănescu – University “Politehnica” Bucharest*
Lector univ. dr. Remus Chină – “Dimitrie Cantemir” Christian University, Bucharest

European Quality Assurance in Education and Romania’s Position within the European Higher Education Area (EHEA)
Nicolae George DRĂGULĂNESCU – University “Politehnica” Bucharest

Quality in Education Through Quality Management of Informational Flows
Remus CHINĂ – “Dimitrie Cantemir” Christian University, Bucharest

Who is afraid of quality in education?
Manuela STOICA – Grup Școlar Industrial “Toma N. Socolescu” Ploiești, Prahova

A Decade of Quality Assurance of Education in Romania – Which are its Outcomes?
Nicolae George DRĂGULĂNESCU – University “Politehnica” Bucharest
Remus CHINĂ – “Dimitrie Cantemir” Christian University, Bucharest

PDCA cycle for school activities of pupils
Georgeta BUCȘAN – Micron TQM

THURSDAY, 15th of September 2016

PLENARY SESSION 1

Chairman: *PhD Prof. Emeritus Alessandro BIROLINI – ETH Zurich*
PhD eng. Univ. Prof. Ioan BACIVAROV – University “Politehnica” Bucharest, President of ARASEC

Risk Management of Technical Systems
Alessandro BIROLINI – Professor Emeritus at ETH Zurich, Switzerland

A Graph Driven Approach to Data Loss Prevention
Michael BEST – Germany

A System Architecture for Monitoring the Reliability of IoT
Radu BONCEA, Ioan C. BACIVAROV – University “Politehnica” Bucharest

Migration of a SOC to SIC (Security Operations Center vs. Security Intelligence Center)
The use of Honeypots for Threat Intelligence
Ionuț-Daniel BARBU, Cristian PASCARIU, Ioan C. BACIVAROV – EUROQUALROM – ETTI, University “Politehnica” Bucharest

Cloud for Europe Project: New Solutions for Addressing Cloud Security Issues
Radu BONCEA – University “Politehnica” Bucharest
Carmen Elena CÎRNU – National Institute for Research and Development in Informatics

Secure Smart Cities
Cristian PASCARIU, Ionuț-Daniel BARBU, Ioan C. BACIVAROV –
EUROQUALROM – ETTI, University “Politehnica” Bucharest

PLENARY SESSION: RELIABILITY OF TECHNICAL SYSTEM

Chairman: *PhD eng. Prof. univ. Angelica BACIVAROV – University “Politehnica” Bucharest*
PhD eng. Prof. Alexandru STAMATIU – Technical University of Civil Engineering Bucharest

45 years of High Level Technical Education in Reliability in Romania
Ioan C. BACIVAROV, Angelica BACIVAROV – University “Politehnica” Bucharest

Online Platform for Reliability Data Processing
Angelica BACIVAROV, Ioan C. BACIVAROV, Mihai PAULIȘ – University “Politehnica” Bucharest

A Reliable Architecture for a Massive and Continuous Scanner of Web Vulnerabilities in Internet
Eugenie STĂICUȚ, Radu BONCEA, Carmen ROTUNĂ – Romania Top Level Domain, National Institute for Research and Development in Informatics-ICI Bucharest
University Politehnica of Bucharest, Faculty of Electronics, Telecommunications and Information Technology

Maintenance Dependence Modeling with Gaussian Copulas
Adrian Stere PARIS, Dana SYLVAN, Constantin TÂRCOLEA – University “Politehnica” Bucharest

Quantum Theory of Reliability Systems
Alexandru STAMATIU – Technical University of Civil Engineering Bucharest

POSTER SESSION

Chairman: *PhD eng. Prof. univ. Ioan BACIVAROV – Director EUROQUALROM, University “Politehnica” Bucharest*

Certification of Quality Management Systems in Media Industry
David BALME – Challenge Optimum SA, Geneve, Switzerland

Kaizen: Concepts and Misinterpretations
Jun NAKAMURO – Enna Bellingham U.S.A.

Physical and Logical Security Risk Assessment Procedure for SMEs, according to ISO/IEC 27005:2011 and SR ISO 31000:2010 Standards

Marian FIROIU, Ioan C. BACIVAROV – EUROQUALROM – ETTI, University “Politehnica” Bucharest

L’utilisation du logiciel Statistica dans le domaine du contrôle qualité

Marouane OUBAIABRA – Université d’Angers – ISTIA, Angers, France

Analytic Study on Cyber-Attacks Structure

Ioan-Cosmin MIHAI – Police Academy, Bucharest

Ioan BACIVAROV – University “Politehnica” Bucharest

On the Ensuring the Resilience in Communication Networks

Dorina Luminița COPACI, Angelica BACIVAROV – University “Politehnica” Bucharest

Using Digital Signature to Ensure Information Security

Gabriel PETRICĂ, Ioan C. BACIVAROV – EUROQUALROM – ETTI,

University “Politehnica” Bucharest

VoIP – Nowadays Gateway for a Better Unified Communication

Cătălina GHERGHINA, Angelica BACIVAROV – University “Politehnica” Bucharest

Maintenance Testing of a Software Product

Sabina-Daniela AXINTE, Ioan C. BACIVAROV – EUROQUALROM – ETTI,

University “Politehnica” Bucharest

On Physical and Logical Security Risks Management in the Context of Convergent Security

Marian FIROIU, Ioan BACIVAROV – EUROQUALROM – ETTI, University “Politehnica” Bucharest

Systems Reliability and Safety Analysis Using Fault Trees. A FTA Software Packages Comparison

Josselin GADSAUDES – ISTIA – University of Angers, France

Ioan C. BACIVAROV – EUROQUALROM – ETTI, University “Politehnica” Bucharest

Process approach of the quality-environment management system according to ISO 9001:2015 and ISO 14001:2015

Daniela Simona MOLDOVAN – Compania Apa Brasov, Romania

Employee engagement – the key ingredient of business success.

Human nature impact on business

Petrișor GAGIU – QA Department, ALRO SA, Slatina, Romania

FRIDAY, 16th of September 2016

PLENARY SESSION 1

Chairman: *Alexandru GIURA – ALRO Slatina*
Cristian RONCEA – SRAC CERT

Calculating Overall Equipment Efficiency for Management Decision
Alexandru GIURA – ALRO Slatina

Six Sigma Tools and the Eight Key to Risk Management
Marius FLORESCU – CALITATE TOP 21 SRL

Identification, Monitoring and Treatment of Risks in defense against floods; participation in coordinating the management of emergency situations arising from floods, hazardous weather, accidents at hydrotechnical structures and accidental pollution (according to SR EN ISO 9001:2008, SR EN ISO 14001:2005 and Ord. SGG 400/2015)
Iulia VINTILOIU – “Romanian Waters” National Administration

Managerial Approach of Occupational Safety and Health According to ISO 45001 in the Health care Sector
Steluta Elisabeta NISIPEANU, Ruxandra CHIURTU, Doru Costin DARABONT – The National Research and Development Institute on Occupational Safety – INCDPM “Alexandru Darabonț” Bucharest

Napoleon the 1st’ Leadership
Bogdan VISSARION, Cătălina ȚUȚULEA – SAMSUNG – OTELINOX

Certification – impulse of the profitable business
Luigi ENE, Cătălina ȚUȚULEA – SAMSUNG – OTELINOX

Food frauds – practices, legislation, standards and audit
Cornelia ȘULEA – SRAC CERT

Reflections on the approach of the audit of risks and opportunities, seen through the perspective of the requirements of the new editions of the management systems standards
Cristian RONCEA – SRAC CERT

Organizational entropy and creative potential
Alexandru GIURA, Mariana VASILE – QA Department, ALRO SA, Slatina, Romania

A Generic Example of an Energy Review in Conformity with ISO 50001 Standard
Leonida Brînduș STĂNOIU – Romanian Electrotechnical Committee

CLOSING OF THE CCF 2016 CONFERENCE