



International Conference Quality and Dependability

The 15th Edition

AGENDA

CCF 2016



**Sinaia, Romania
September 14th-16th, 2016**

BACKGROUND

The Romanian Society for Quality Assurance, a professional, non-governmental and non-profit association from Romania, is actively involved in promoting the quality culture nationwide, by the means of conferences, seminars, forums, symposia.

The Conference on Quality and Dependability CCF 2016, organized by The Romanian Society for Quality Assurance at every 2 years, is part of the circuit of the successful international conferences, opinion unanimously expressed by the participants to the previous editions.

Every edition of the conference enjoys the presence of many officials and personalities, distinguished guests and well-known specialists nation- and worldwide, representatives of the business and academic environment.

The topics approached highlight new information, trends, ideas and concepts, which are essential for a market-driven functional economy.

CCF – A TRADITIONAL CONFERENCE

The first National Conference on Quality and Reliability (CCF '87), took place at Hotel 'Teleferic' from Poiana Brasov, in 1987, with the occasion of the organization of the Central Reliability Group of MIEt. It was then decided that this conference should become a tradition.

Therefore, the second edition of the Conference took place at the premises of 'Minerva', 'Diana' and 'Afrodita' hotels from Băile Herculane, in 1988.

The Romanian Society for Quality Assurance took over this tradition, by organizing the third edition of the Conference at Hotel 'Roman' from Băile Herculane, in September 1996.

The fourth edition took place in Sinaia on the 2nd-3rd of October 1997, and the fifth edition CCF '98 was organized in the period 28th – 30th of October 1998, in Sinaia as well.

The sixth edition of the Conference CCF '99 was organized in 1999, the 22nd – 24th of October, at Hotel 'Sport' from Poiana Brasov, and in 2000, between 27th – 29th of September, the seventh edition was organized, at Hotel 'Palace' from Sinaia.

The eighth edition of the Conference, CCF 2002, was organized at the Casino from Sinaia, in the period 18th-20th of September 2002 and it enjoyed the presence of distinguished guests from abroad and well-known specialists from Romania.

The last editions of CCF – the ninth, (29th of Sept. – 1st of Oct.2004, Hotel Mara, Sinaia), the tenth (27 – 29 of September 2006, Casino Sinaia), the eleventh (24 - 26 of September 2008, Casino Sinaia), the twelfth (22 – 24 of September, Casino Sinaia) and the thirteenth (5 – 7 of September 2012, Complex Doina, Neptun) enjoyed the presence of distinguished guests from abroad and well-known specialists from Romania and were a real success.

The event that marked 27 years since the first CCF conference was organized at Sinaia, at Palace Hotel and the exceptional participations of Mr. Alex Ezrakhovich (Australia), Abdessamad Kobi (France), and Michele Cano (Scotland) have to be mentioned. The XIVth edition of the Conference brought a special event in the first day – Wednesday, the 17th of September – The EFQM Open Doors Day in Romania, organized by SRAC and EFQM and with the participation of Grundfos Romania and the Hungarian Association for Excellence.

This year, the event marks 29 years since the first CCF conference and it will be organized at Sinaia, at Palace Hotel. Some of the special guests invited this year: Isaac Sheps (Israel), Alessandro Birolini (Switzerland), Vidosav Majstorovic (Serbia), and so on and so forth.

COMMITTEES

• INTERNATIONAL SCIENTIFIC BOARD

Ioan BACIVAROV	Professor at University Politehnica of Bucharest, Romania – Chairman
Alessandro BIROLINI	Professor Emeritus at ETH Zurich, Switzerland – Honorary Chairman
Vidosav D. MAJSTOROVIC	Professor at University of Belgrad, Serbia - Vice-Chairman
Marius BAZU	Scientific researcher, National Institute of Micro technologies, Bucharest
Bruno-Marie BECHARD	Professor at the University of Sherbrooke, Canada
Allan BROWN	Professor at the University of Perth, Australia
Angelica BACIVAROV	Professor at the University Politehnica of Bucharest, Romania
Michele CANO	Professor at University of West of Scotland, UK
Remy GAUTIER	Professor at ENSAM, Paris, France
Fabrice GUERIN	Professor at the University of Angers, France
Amilcar GONCALVEZ	Professor at the University of Lisbon, Portugal
Socrates KAPLANIS	Professor at the University of Patras, Greece
Noriaki KANO	Professor at the University of Tokyo, Japan
Dan STOICHITOIU	President of SRAC, Bucharest
Liviu MĂȘĂLAR	Professor Emeritus at the University of Liege, Belgium
Christian ROBLÉDO	Professor and President at the University of Angers, France
Alexandru STAMATIU	Professor Emeritus at University of Civil Engineering Bucharest, Romania
Ajit K. VERMA	Professor at the Indian Institute of Technology Mumbai, India
Ton van der WIELE	Professor at the Erasmus University from Rotterdam, Holland

• ORGANIZATIONAL BOARD

Dan STOICHITOIU	General Chairman of CCF 2016 President of Romanian Society for Quality Assurance
Ioan. C. BACIVAROV	University Politehnica of Bucharest
Dragoș MARIAN	Manager at Romanian Society for Quality Assurance

USEFUL INFORMATION

Registration of participants:

- **Tuesday, 13.09.2016, starting with 17⁰⁰**, in the lobby of Palace Hotel
- **Wednesday, 14.09.2016, 8³⁰, starting with 8³⁰** in the lobby of Palace Hotel ,CCF 2016 Secretariat

Coffee break:

- **Between the 14th – 16th of September 2016**, coffee breaks will take place in the lobby of Palace Hotel

Gala Dinner:

- **Thursday, 15.09.2016, 20⁰⁰, Hotel International, Restaurant Tirol**

The CCF 2016 Secretariat will be open daily at Palace Hotel, between 8³⁰ – 16⁰⁰

SECRETARIAT:

Lorena CHIRIȚĂ, Dragoș MARIAN, Tudor MĂRUNȚELU, Bogdan IVAȘCU

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)*

9 ⁰⁰	Welcome and introduction
9 ³⁰ – 10 ⁰⁰	<i>Moving from Product Quality to Organization Quality to Achieve Sustained Success of an Organization</i> <i>The Future of ISO 9004</i> Isaac SHEPS - Convener of ISO/TC 176/SC2/WG25 (working group for revision of the ISO 9004)
10 ⁰⁰ - 10 ³⁰	<i>The integrated index of business standardization - Research and Development</i> Vidosav D. MAJSTOROVIĆ – University of Belgrade, Serbia
10 ³⁰ – 10 ⁵⁰	<i>ISO 9001:2015 – A Revolution in Management?</i> Ioan C. BACIVAROV - Politehnica University Bucharest
10 ⁵⁰	Coffee break

PLENARY SESSION 2

Chairmen

PhD. Prof. Vidosav D. MAJSTOROVIĆ – *University of Belgrade, Serbia*

M.Sc. Steli LOZNEN - *Israel Testing Laboratories Ltd., Israel*

11 ²⁰ - 11 ⁴⁰	<i>Standardul ISO 9001: 2015, punct și de la capat!</i> <i>J.M. JURAN and 2015 version of ISO 9001</i> Fircă POPA – QUALIM SRL
11 ⁴⁰ - 12 ⁰⁰	<i>Product Safety Needs a Horizontal Testing Standard?</i> Steli LOZNEN – I.T.L (Product Testing) Ltd., Israel
12 ⁰⁰ - 12 ²⁰	<i>Risk approach in an integrated quality-environment management system</i> Daniela MOLDOVAN – Compania Apa Braşov Romania Calin Vasile NEAMTU – Compania de Apa Someş SA Cluj Napoca
12 ²⁰ - 12 ⁴⁰	<i>Global Harmonization of MED standards</i> Steli LOZNEN - I.T.L (Product Testing) Ltd., Israel
12 ⁴⁰ - 13 ⁰⁰	<i>mHealth and consumer electronics</i> Steli LOZNEN - I.T.L (Product Testing) Ltd., Israel
13 ⁰⁰ -14 ⁰⁰	LUNCH

14.00 – Release of book “**Sistemul de management al calității – Ghid de implementare a standardului SR EN ISO 9001:2015**” – authors Nicolae George Drăgulănescu, Emil Ciobanu and Călin Nicolae Drăgulănescu

PLENARY SESSION 3

Chairmen

PhD eng. Prof.univ. Nicolae George Drăgulănescu – *Politehnica University Bucharest*

Lector univ. dr. Remus Chină - “*Dimitrie Cantemir*” *Christian University, Bucharest*

14 ³⁰ – 14 ⁵⁰	<i>European Quality Assurance in Education and Romania's Position within the European Higher Education Area (EHEA)</i> Nicolae-George DRĂGULĂNESCU - Politehnica University Bucharest
14 ⁵⁰ - 15 ¹⁰	<i>Quality in Education Through Quality Management of Informational Flows</i> Remus CHINA - "Dimitrie Cantemir" Christian University , Bucharest
15 ¹⁰ - 15 ³⁰	<i>Who is afraid of quality in education?</i> Manuela STOICA - Grup Școlar Industrial „Toma N. Socolescu” Ploiești, Prahova
15 ³⁰ -15 ⁴⁵	<i>A Decade of Quality Assurance of Education in Romania - Which are its Outcomes?</i> Nicolae-George DRĂGULĂNESCU - Politehnica University Bucharest Remus CHINA - "Dimitrie Cantemir" Christian University , Bucharest
15 ⁴⁵ - 16 ⁰⁰	<i>PDCA cycle for school activities of pupils</i> Georgeta BUCȘAN – Micron TQM
16 ⁰⁰	Round table discussion " Economic Impacts Of Certification " Moderators: Nicolae-George DRĂGULĂNESCU and Vidosav MAJSTOROVIC

THURSDAY, 15th of SEPTEMBER 2016

PLENARY SESSION 1

Chairmen

PhD Prof. Emeritus Alessandro BIROLINI – ETH Zurich

PhD eng. Univ. Prof. Ioan BACIVAROV – Politehnica University Bucharest
President of ARASEC

09 ⁰⁰ – 09 ³⁰	<i>Risk Management of Technical Systems (Invited Paper)</i> Alessandro BIROLINI – Professor Emeritus at ETH Zurich
09 ³⁰ – 10 ⁰⁰	<i>A Graph Driven Approach to Data Loss Prevention</i> Drd. Michael BEST - Germany
10 ⁰⁰ – 10 ²⁵	<i>A System Architecture for Monitoring the Reliability of IoT</i> Radu BONCEA, Ioan C. BACIVAROV – Politehnica University Bucharest
10 ²⁵ – 10 ⁴⁵	<i>Migration of a SOC to SIC (Security Operations Center vs. Security Intelligence Center) The Use of Honeypots in for Threat Intelligence</i> Ionuț -Daniel BARBU, Ioan C. BACIVAROV, Cristian PASCARIU - EUROQUALROM – ETTI, University "Politehnica" of Bucharest, Romania
10 ⁴⁵	Coffee Break
11 ¹⁵ - 11 ³⁵	<i>Cloud for Europe Project: New Solutions for Addressing Cloud Security Issues</i> Radu BONCEA – Politehnica University Bucharest Carmen CÎRNU – National Institute for Research and Development in Informatics
11 ³⁵ - 12 ⁰⁰	<i>Secure Smart Cities</i> Cristian PASCARIU, Ioan C. BACIVAROV, Ionuț– Daniel BARBU – EUROQUALROM - ETI, Politehnica University Bucharest
12 ⁰⁰ -14 ⁰⁰	LUNCH

PLENARY SESSION : RELIABILITY OF TECHNICAL SYSTEM

Chairs

PhD eng. Prof. univ. Angelica BACIVAROV – Politehnica University Bucharest

PhD eng. Prof. Alexandru STAMATIU – Technical University of Civil Engineering Bucharest

14 ⁰⁰ - 14 ²⁰	<i>45 years of Higher Technical Education in Reliability in Romania</i> Ioan C. BACIVAROV, Angelica BACIVAROV – Politehnica University Bucharest
14 ²⁰ - 14 ⁴⁰	<i>Online Platform for Reliability Data Processing</i> Angelica BACIVAROV, Ioan C. BACIVAROV, Mihai PAULIS – Politehnica University Bucharest
14 ⁴⁰ - 15 ⁰⁰	<i>A Reliable Architecture for a Massive and Continuous Scanner of Web Vulnerabilities in Internet</i> 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
15 ⁰⁰ - 15 ²⁰	<i>The Maintenance Dependence Modeling with Gaussian Copulas</i> Adrian Stere PARIS – Politehnica University Bucharest
15 ²⁰ – 15 ⁴⁰	<i>Teoria Cuantică a Fiabilității Sistemelor</i> Alexandru STAMATIU - Technical University of Civil Engineering Bucharest
15 ⁵⁰	POSTER SESSION Chairman PhD eng. Prof. univ. Ioan BACIVAROV – Director EUROQUALROM, Politehnica University Bucharest

<i>Certification of Quality Management Systems in Media Industry</i> David BALME, Challenge Optimum SA, Geneve, Switzerland
<i>Kaizen: Concepts and Misinterpretations</i> Jun NAKAMURO, Enna Bellingham U.S.A.
<i>A Procedure for Physical and Logical Security Risk Assessment for Small And Medium-Sized Enterprises</i> Marian FIROIU, Ioan BACIVAROV, EUROQUALROM-ETTI, University “Politehnica” of Bucharest, România
<i>L’utilisation du logiciel STATISTICA dans le domaine du contrôle qualité</i> Marouane OUBAIABRA, Université d’Angers-ISTIA, Angers, France
<i>Studiu analitic privind structura atacurilor cibernetice</i> Ioan – Cosmin MIHAI, Ioan C. BACIVAROV – Police Academy, Bucharest, University “Politehnica” of Bucharest
<i>Ensuring the Resilience of Communication Networks</i> Luminița COPACI, Angelica BACIVAROV – Universitatea „Politehnica” București
<i>Using Digital Signature to Ensure Information Security</i> Gabriel PETRIȚĂ, Ioan C. BACIVAROV- EUROQUALROM - Universitatea „Politehnica” București
<i>VoIP – Nowadays gateway for a better Unified Communication</i> Catalina GHERGHINA, Angelica BACIVAROV - University „Politehnica” Bucharest
<i>Maintenance Testing of A Software Product</i> Sabina-Daniela AXINTE, Ioan C. BACIVAROV- EUROQUALROM-ETTI, Universitatea „Politehnica” București
<i>On Physical and Logical Security Risks Management in the Context of Convergent Security</i> Marian FIROIU, Ioan BACIVAROV, EUROQUALROM-ETTI, University “Politehnica” Bucharest, România
<i>Reliability and Safety Analysis Using Fault Trees. A FTA Software Packages Comparison</i> Josselin GADSAUDES*, Ioan C. BACIVAROV** - *ISTIA-University of Angers, France, ** EUROQUALROM-ETTI, University “Politehnica” Bucharest, România
<i>Process approach of the quality-environment management system according to ISO 9001:2015 and ISO 14001:2015</i> Daniela Simona Moldovan, Compania Apa Brasov, România
<i>Employee engagement – the key ingredient of business success. Human nature impact on business.</i> Petrișor GAGIU - QA Department, ALRO SA, Slatina, România
NOTE: Each paper in the poster session will be introduced by a short presentation (2...4 slides) made by the author or by the session coordinator

PLENARY SESSION 1

Chairmen

Alexandru GIURA – ALRO Slatina

Cristian RONCEA – SRAC CERT

10 ⁰⁰ – 10 ²⁰	<i>Calculating overall equipment efficiency for management decision</i> Alexandru GIURA – ALRO Slatina
10 ²⁰ – 10 ⁴⁰	<i>Six Sigma Tools and the Eight Key to Risk Management</i> Marius FLORESCU – CALITATE TOP 21 SRL
10 ⁴⁰ – 11 ⁰⁰	<i>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)</i> Iulia VINTILOIU – “Romanian Waters” National Administration
11 ⁰⁰ – 11 ²⁰	<i>Managerial approach of the occupational safety and health according to ISO 45001 in the healthcare sector</i> Steluța NISIPEANU, Ruxandra CHIURTU, Doru Constantin DARABONT - The National Research and Development Institute on Occupational Safety-INCDPM “Alexandru Darabonț” Bucharest
11 ²⁰ – 11 ⁴⁰	<i>Napoleon the 1st leadership</i> Bogdan VISARION, Catalina ȚUȚULEA – SAMSUNG – OTELINOX
11 ⁴⁰ – 12 ⁰⁰	Coffee Break
12 ⁰⁰ - 12 ²⁰	<i>Certification – impulse of the profitable business</i> Luigi ENE, Catalina ȚUȚULEA - SAMSUNG – OTELINOX
12 ²⁰ - 12 ⁴⁰	<i>Food deceptions -standards, legislation and practice</i> Cornelia ȘULEA – SRAC CERT
12 ⁴⁰ - 13 ⁰⁰	<i>Reflections on the efficiency of the management systems seen through the perspective of the new editions of standards of the management systems</i> Cristian RONCEA –SRAC CERT
13 ⁰⁰ - 13 ²⁰	<i>Organizational entropy and creative potential</i> Alexandru GIURA, Mariana VASILE - QA Department, ALRO SA, Slatina, România
13 ²⁰ - 13 ⁴⁰	<i>A Generic Example of an Energy Review in Conformity with ISO 50001 Standard</i> Leonida Brânduș STĂNOIU – Romanian Electrotechnical Committee
13 ⁴⁰	<i>Closing of the CCF 2016</i>