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INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

IRIS ASSOCIATION (INSTITUTE OF RADIO AND INFORMATION SYSTEMS, VIENNA, AUSTRIA)

RUSSIA SECTION TEM/GRS/ITSS JOINT CHAPTER



## 2026 INTERNATIONAL CONFERENCE «ENGINEERING MANAGEMENT OF COMMUNICATION AND TECHNOLOGY» (EMCTECH)

*IEEE Conference Record # 71152*

Vienna, Austria, on-line

October 15, 2026

# CONFERENCE PROGRAM



*Planned conference venue – Springer Schloessl Seminarhotel*

*Photo by organizers*

For inclusion in publication program, an article must be online oral presented by one of the co-authors

**THE PROGRAM INDICATES AUSTRIAN TIME UTC+2 (GMT+2)**

**OCTOBER 15 (THURSDAY)**

**9<sup>45</sup> ... 10<sup>00</sup>**

## **REGISTRATION**

**10<sup>00</sup> ... 10<sup>10</sup>**

## **WELCOME SPEECH BY PROGRAM COMMITTEE**

**Prof. Oleg Varlamov**, *Doctor of Technical Science, Chairman of “Institute of Radio and Information Systems” (IRIS) Association, Austria, Senior Member, IEEE*

**Dr. Svetlana Dymkova**, *Chair of IEEE TEM/GRS/ITSS Joint Chapter, member, IEEE*

**10<sup>10</sup> ... 12<sup>50</sup>**

## **SESSION I**

**TECHNOLOGY ADVANCEMENTS IN IOT DEVICES & ARTIFICIAL INTELLIGENCE; BROADCAST TECHNOLOGIES ADVANCEMENTS – RADIO, IP, CELLULAR, ON DEMAND, INTERACTIVE; DIGITALIZATION PROCESS AND SECURITY MANAGEMENT IN DIGITAL SOCIETY AND INDUSTRY 4.0**



**VALERY TIKHVINSKIY**  
*Session I Moderator*

Doctor of Economics Science, Ph.D. Degree in Radio engineering, Member of European Standards Organization (ETSI), (TC/M2M, TC/ERM, TC/STQ) and oneM2M Partnership Project. Actively participated in ITU (ITU-R SG1), CEPT/ECC (ENC/WG RA, ENC/WG/FM). ITU Field Expert ID: 06169. ITU-D Mission: Erevan-2001 (Armenia), Sana'a-2005 (Yemen) and Astana (2014). Visit-Professor of Tunisian Telecommunication Institute (IsetCom, Tunisia) and International Information Technologies University (IITU, Kazakhstan), published over 350 scientific papers on Economic-legal, QoS – problems of telecommunications, Spectrum Management and EMC issues, author of 15-th books on Economic-legal and Technological issues of Internet of Things and 2G/3G/4G/5G/6G mobile communications.

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| <b>10<sup>10</sup> ... 10<sup>30</sup></b> | <b>Tatiana K. Artemova, Aleksey S. Gvozdev, Member, IEEE, Bogdan O. Domitrak</b><br><i>P.G. Demidov Yaroslavl State University, Yaroslavl, Russia</i><br><b>SIMPLIFIED APPROXIMATION OF A MULTI-CLUSTER PROBABILISTIC FADING CHANNEL MODEL FOR IRS-ASSISTED COMMUNICATIONS</b> |
| <b>10<sup>30</sup> ... 10<sup>50</sup></b> | <b>Aleksey S. Gvozdev, Member, IEEE, Tatiana K. Artemova, Savely V. Voronchihin</b><br><i>P.G. Demidov Yaroslavl State University, Yaroslavl, Russia</i><br><b>IRS-ASSISTED COMMUNICATIONS NUMERICAL ANALYSIS VIA THE GAUSSIAN MIXTURE MODEL FADING CHANNEL APPROXIMATION</b>  |
| <b>10<sup>50</sup> ... 11<sup>10</sup></b> | <b>Michael Mann</b><br><i>RGM Global Ventures, Niedersachsen, Germany</i><br><b>THE CONDORCET TRAP: A COMPUTATIONAL MODEL OF WHY DISABILITY BENEFIT SYSTEMS FAIL RATIONAL WORKERS – AND AN ENGINEERED MECHANISM TO FIX THEM</b>                                                |

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| <b>11<sup>10</sup> ... 11<sup>30</sup></b> | <b>Michael M. Mann</b><br><i>RGM Global Ventures, Niedersachsen, Germany</i><br><b>THE WISDOM OF BIASED CROWDS: A BIAS-ROBUST DECISION ENGINE FOR CROWDS, SENSORS, AND AI</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>11<sup>30</sup> ... 11<sup>50</sup></b> | <b>Michael M. M. Mann</b><br><i>RGM Global Ventures, Niedersachsen, Germany</i><br><b>SYMMETRIC DUAL-PIVOT IN-PLACE BFS FOR CLOSENESS CENTRALITY ESTIMATION IN RESOURCE-CONSTRAINED 6G</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>11<sup>50</sup> ... 12<sup>10</sup></b> | <b>Evgeny V. Vakhovsky, Asiya R. Kaberova</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>MODELING THE ECONOMIC IMPACT OF IMPLEMENTING A DIGITAL TWIN OF THE CUSTOMER ON MARKETING EFFICIENCY AND CUSTOMER LIFETIME VALUE IN RUSSIAN TELECOMMUNICATIONS COMPANIES</b>                                                                                                                                                                                                                                                                                                                     |
| <b>12<sup>10</sup> ... 12<sup>30</sup></b> | <b>Marina A. Anikieva</b><br><i>Siberian Federal University Krasnoyarsk, Russia</i><br><b>Ilya M. Lerner</b><br><i>Akmulla Bashkir State Pedagogical University Ufa, Russia</i><br><b>Andreas Kh. Marinosyan</b><br><i>Humanist Publishing House, Moscow, Russia</i><br><b>Daniil S. Rybakov</b><br><i>Publishing House Education and Informatics, LLC, Moscow, Russia</i><br><b>Yazilya F. Ziatdinova</b><br><i>Kazan National Research Technical University n.a. A.N. Tupolev - KAI, Kazan, Russia</i><br><b>ON THE ISSUE OF RESEARCH TEAM FORMATION BASED ON THE PROJECT'S SUBJECT MATTER AND THE ROLE COMPATIBILITY OF PARTICIPANTS</b> |
| <b>12<sup>30</sup> ... 12<sup>50</sup></b> | <b>Alexander Pastukh</b><br><i>The M.I. Krivosheev National Research Centre for Telecommunication (NRCT), Moscow, Russia</i><br><b>Valery Tikhvinskiy,</b><br><i>The International Information Technology University, Almaty, Kazakhstan;</i><br><i>The M.I. Krivosheev National Research Centre for Telecommunication (NRCT), Moscow, Russia</i><br><b>Evgeny Devyatkin</b><br><i>The M.I. Krivosheev National Research Centre for Telecommunication (NRCT), Moscow, Russia</i><br><b>INTERFERENCE FROM 5G NETWORKS IN THE 4.4–4.8 GHZ BAND TO AIRCRAFT RADIO ALTIMETERS DURING LANDING</b>                                                |

**12<sup>50</sup>... 13<sup>30</sup>**  
**COFFEE BREAK**

13<sup>30</sup> ... 17<sup>00</sup>

## SESSION II

### DIGITAL TRANSFORMATION AND DATA RISK MANAGEMENT IN ICT/TELECOMMUNICATION ENGINEERING TECHNOLOGY LEADING TO SOCIAL AND ECONOMICAL CHANGE DEVELOPING PERSONAL SKILLS FOR LEADING INNOVATION INITIATIVES



**VLADIMIR DOKUCHAEV**  
*Session II Moderator*

Professor, Doctor of Technical Sciences, Senior Science Researcher Degree in Telecommunication Networks and Teletraffic, Ph.D. Degree (1990), TEMIC Fellow (2000). Member (Expert) of Group on Capacity Building Initiatives International Telecommunication Union (GCBI ITU), Switzerland: <https://academy.itu.int/index.php/main-activities/gcbi/membership>. IEEE member. Full member of the International Academy of Informatization (IAI). Author of more than 250 scientific and academic publications and monographs in the field of Telecommunication Networks Management, Teletraffic, Information Security, Data Risk Management, Human Capacity Building

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| 13 <sup>30</sup> ... 13 <sup>50</sup> | <b>Elena Korableva, Valentina Shakolyukova</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>BREAKTHROUGH TECHNOLOGIES OF THE 21ST CENTURY:<br/>FORECASTING THE IMPACT OF IMPLEMENTATION AND SOCIAL RISKS</b>                                              |
| 13 <sup>50</sup> ... 14 <sup>10</sup> | <b>Zurab V. Makatov, Irina A. Lavrova</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>ALGORITHMIC RECOMMENDATION SYSTEMS AND DIGITAL IDENTITY FORMATION: A SOCIO-TECHNICAL MODEL</b>                                                                     |
| 14 <sup>10</sup> ... 14 <sup>30</sup> | <b>Mariya Kolomeytseva</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>HUMANITIES IN ENGINEERING EDUCATION:<br/>FROM TECHNOLOGICAL DETERMINISM TO SOCIALLY ORIENTED DESIGN</b>                                                                           |
| 14 <sup>30</sup> ... 14 <sup>50</sup> | <b>Ksenia I. Vasilyeva</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>DEFENDING HUMAN-AI INTIMACY: HUMAN ANALOGIES AND THE LIMITS OF ETHICAL JUSTIFICATION</b>                                                                                          |
| 14 <sup>50</sup> ... 15 <sup>10</sup> | <b>Olga Trubach, Alena Mikhaylova, Tatyana Bocharova, Lidia Sklyar</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>ARTIFICIAL INTELLIGENCE IN HOMEWORK COMPLETION.<br/>CONTEMPORARY EDUCATIONAL REALITIES</b>                                            |
| 15 <sup>10</sup> ... 15 <sup>30</sup> | <b>Tatyana A. Kuzovkova, Ivan M. Sharavov, Olga I. Sharavova, Anastasia V. Vekovishcheva</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>PRINCIPLES, METHODS AND A TOOL FOR INTEGRATING PLANNING AND RISK MANAGEMENT OF AN INFOCOMMUNICATION COMPANY</b> |

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| <b>15<sup>30</sup> ... 15<sup>50</sup></b> | <b>Olga I. Sharavova, Maria M. Sharavova, Tatyana A. Kuzovkova, Anastasia V. Vekovichcheva</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>RISK MANAGEMENT TOOLS FOR CUSTOMER-CENTRIC ECOSYSTEMS OF TELECOMMUNICATIONS COMPANIES</b>                                                                                                                                                     |
| <b>15<sup>50</sup> ... 16<sup>10</sup></b> | <b>Sergey V. Shevelev</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia;</i><br><i>Moscow State University of Civil Engineering (National Research University), Moscow, Russia</i><br><b>Yaroslav D. Filkov</b><br><i>Moscow Technical University of Communications and Informatics, Moscow, Russia</i><br><b>A PROVENANCE GATED ALGORITHM FOR PRESERVING TASK CONTEXT IN AI AGENT DOCUMENTATION</b> |
| <b>16<sup>10</sup>... 16<sup>30</sup></b>  | <b>V. A. Dokuchaev</b><br><i>GCBI ITU-D, Geneva, Switzerland</i><br><b>V. V. Maklachkova, I. D. Udalov</b><br><i>Institute of Radio and Information Systems (IRIS), Vienna, Austria</i><br><b>IDENTIFICATION AND ASSESSMENT OF EMERGING RISKS IN AI-ENABLED HEALTHCARE DIGITAL ECOSYSTEMS</b>                                                                                                                                              |

**16<sup>30</sup>... 17<sup>00</sup>**  
**QUESTIONS AND DISCUSSION**



*Planned conference venue – Springer Schloessl seminarhotel*  
*Photo by organizers*