# PLENARY SESSIONS

## August, 29 (first day), Vrnjacka Banja

### Session 1
### Chairmen: Yuriy Zakharov, Hranislav Milosevic

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| **09:45** 1-1 | Serbia | Milovanovic G. | Gradimir V. Milovanovic | Nonstandard Quadratures and Applications in the Fractional Calculus |
| **10:30** | **Welcome drink** | | | |

### Session 2
### Chairmen: Sergey Smagin, Zarko Pavicevic

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| **11:30** 1-2 | Russia | Smagin S.I., Lupyan E.A., Sorokin A.A., Burtsev M.A., Korolev S.P., Proshin A.A., Kramareva L.S. | Sergey Smagin | Analysis of possibilities of cloud technologies for distributed storage and processing of remote sensing data for environmental monitoring |
| **12:15** 1-3 | Serbia | Ognjanovic Z., Raskovic M., Perovic A., D. Doder | Zoran Ognjanovic (Aleksandar Perovic) | Probability Logics |
| **13:00** | **Lunch** | | | |

## August, 30 (second day), Vrnjacka Banja

### Session 3
### Chairmen: Amanbek Zhainakov, Stefan R. Panic

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| **09:00** 2-1 | France | Guessab A. | Allal Guessab | On the enrichment of finite-element approximations |
| **09:45** 2-2 | Kyrgyzstan | Zhainakov A. | Amanbek Zhainakov | About selecting the computational domain when critical modes of plasma arc flow |
| **10:30** | **Coffee break** | | | |

### Session 4
### Chairmen: Boris Ryabko, Nebojsa Arsic

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| **11:00** 2-3 | Russia | Barakhnin V., Kozhemyakina O.Yu., Zabaykin A.V. | Vladimir Barakhnin | The automation of the process of creation of the metrical handbooks and concordances with the usage of the computer algorithms of the analysis of Russian poetic texts |
| **11:45** 2-4 | Kosovska Mitrovica | Arsic N., Spalevic Z., Ilic M. | Nebojsa Arsic | Usage of E-government in the Republic of Serbia |
| **12:30** | **Lunch** | | | |

## August, 31 (third day), Vrnjacka Banja

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| Session 5<br>Chairmen: Zarko Mijajlovic, Allal Guessab | | | | |
| **09:00**<br>3-1 | Montenegro | Pavicevic Z. | Zarko Pavicevic | On P-sequences of analytic functions and their applications |
| **09:45**<br>3-2 | Russia | Chernyi S. | Sergey Chernyi | Methods for optimal control of hydraulic fracturing process |
| **10:30** | Coffee Break | | | |
| Session 6<br>Chairmen: Vladimir Barakhnin, Sergey Chernyi | | | | |
| **11:00**<br>3-3 | Serbia | Panic S.R. | Stefan R. Panic | Algorithms for signal drawbacks mitigation in fading environment |
| **11:45**<br>3-4 | Serbia | Mijajlovic Z. | Zarko Mijajlovic | Applications of regularly varying functions in the study of cosmological parameters |
| **12:30** | Lunch | | | |

## September, 2 (fifth day), Budva

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| Session 7<br>Chairmen: Victor Kasyanov, Amanbek Zhainakov | | | | |
| **15:30**<br>5-1 | Russia | Lepikhin A., Chernyakova N. | Anatoliy Lepikhin | A risk assessment methodology for critical infrastructure |

## September, 3 (sixth day), Budva

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| Session 8<br>Chairmen: Vladimir Barakhnin, Anatoliy Lepikhin | | | | |
| **15:30**<br>6-1 | Russia | Ryabko B., Rakitskiy A. | Boris Ryabko | An information-theoretic approach to estimation of the capacity of computers and supercomputers |

## September, 4 (seventh day), Budva

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| Session 9<br>Chairmen: Hranislav Milosevic, Yuriy Zakharov | | | | |
| **15:30**<br>7-1 | Russia | Zakharov Y.N., Miloshevich H., Shokin Y.I., Dolgov D.A. | Yuriy Zakharov | Mathematical modeling of artificial aortic heart valve |