Workshop on Computing and Networking

Institute for Informatics and Automation Problems,

National Academy of Sciences of Armenia

27 September 2016, Yerevan, Armenia

1, P. Sevak str., Yerevan 0014, Armenia

Workshop on Computing and Networking

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| **Time** | **Item description** | **Presenter** |
| **11:00 - 11:10** | Welcome Message | Yu.Shoukourian,  NAS RA |
| **11:10 - 11:40** | SuperMUC: High Performance Computing for Science in the European Context of PRACE | A. Bode,  LRZ-TUM, Germany |
| **11:40 - 12:10** | Overview of High Performance Computing in France | M. Dayde  IRIT, France |
| **12:10 - 12:30** | Overview of the International Virtual Laboratory | P. H. Cros,  IRIT, France |
| **12:30 - 12:45** | Coffee Break |  |
| **12:45 - 13:05** | Introduction to IIAP | H. Sahakyan,  IIAP |
| **13:05 - 13:25** | Joint Educational Programs in IT: Use of New Learning Technologies for Building Innovative Curricula | S. Shoukourian,  YSU |
| **13:25 - 13:45** | Perspectives for a Coupled Meteorological-Hydrological Ensemble Forecasting System in Armenia | V. Andréassian,  France |
| **13:45 - 14:30** | Lunch |  |
| **14:30 - 14:45** | Grid Based Implementation for Investigating New Models for Information Dissemination in Computer Networks and Stochastic Self-Organizing Processes | V. Hovnanyan,  H. Nahapetyan,  IIAP |
| **14:45 - 15:00** | Applications of Machine Learning and Image Processing Methods for Medical Image Analysis | G. Karapetyan, IIAP |
| **15:00 - 15:15** | Multiclass to Binary Reduction Models | H. Danoyan, IIAP |
| **15:15 - 15:30** | Security Challenges in Cloud Computing | S. Abrahamyan, IIAP |
| **15:30 - 15:45** | Simulation of Meso-scale Processes in Armenia by WRF model | A. Gevorgyan, IIAP |
| **15:45 – 16:00** | Developing, Measuring and Processing Cognitive Networks in Defense, Competition and Dialog Problems | S. Grigoryan,  IIAP |
| **16:15 - 16:30** | Cloud Services | W. Narsisian, IIAP |
| **16:30 - 16:45** | Green ICT | A. Kocharyan, IIAP |
| **16:45 - 17:30** | Discussions & closing |  |

Objectives:

* To discuss the modern trends on computing and networking
* To reinforce collaboration between the participants and the members of the International Virtual Lab
* To join forces to establish a Regional Supercomputing Center in Armenia

Expected Participants

1. M. Dayde
2. P.H. Cros
3. A. Bode
4. Yu. Shoukourian
5. L. Aghalovyan
6. V. Ivannokov
7. A. Avetisyan
8. R. Topchyan
9. I. Avetisyan
10. V. Poghosyan
11. V. Sahakyan
12. A. Petrosyan
13. S. Shoukourian
14. H. Shoukourian
15. H. Sahakyan
16. L. Aslanyan
17. V. Andréassian
18. H. Astsatryan
19. W. Narsisian
20. A. Kocharyan
21. H. Melkonyan
22. A. Gevorgyan
23. Z. Petrosyan
24. H. Saroukhanyan
25. G. Karapetyan
26. E. Pogossian
27. S. Abrahamyan
28. M. Harutyunyan
29. H. Danoyan
30. W. Hovnanyan
31. S. Grigoryan
32. L. Berberyan
33. H. Nahapetyan