

TENTATIVE FINAL PROGRAMME, TIMETABLE AND ORGANIZATION

1st day - 18 August

Final registration time period

Welcoming talks by the organizers **Ashot Akhperjanian and Elisa Shahbazian and 3 talks in p.m.**

Blasch	Fundamentals of Information Fusion and Applications - Part I: JDL levels and Decision Making
Roli	Fusion of Multiple Pattern Classifiers - Part I
Zirilli	Calculus of Variations and Data Fusion - Part I

SOCIAL EVENT: welcoming party

2nd day (4 in a.m., 3 in p.m.) - 19 August

Rogova/Varshney	Distributed Data Fusion: Part I: Learning in Multi-Agent Systems
Rogova/Varshney	Distributed Data Fusion- Part II: Learning in Multi-Agent System
Regazzoni/Guainazzo/Marchesotti	Multiple Cooperative Sensors-Part I: Integration of Multiple Cooperative Sensors within Distributed Smart Space
Shahbazian/Menard/Lefebvre	Distributed Data Fusion Demonstration - Part I: Architecture Analysis and Demonstration of Distributed Data Fusion
Roli	Fusion of Multiple Pattern Classifiers - Part II
Valin/Allard/Demers	Fusion for Airborne/Spaceborne Identification of Objects - Part I: Imaging & Non-Imaging Sensor Fusion
Sundareshan	Data Fusion for Imagery-Part I: Neural Net-Based Fusion of Image and Non-image Data for tracking applications

3rd day (4 in a.m., 3 in p.m.) - 20 August

Blasch	Fundamentals of Information Fusion and Applications - Part II: Target tracking methods
Regazzoni/Guainazzo/Marchesotti	Multiple Cooperative Sensors-Part II: Multimodal cooperative modulation estimation and terminal localization for multisource wireless sensor networks
Shahbazian/Menard/Lefebvre	Distributed Data Fusion Demonstration - Part II: Application of Tracklets in Distributed Data Fusion
Valin/Allard/Demers	Fusion for Airborne/Spaceborne Identification of Objects - Part II: Multi-sensor and Contextual Information Fusion for Scene Interpretation and Object Identification
Roli	Fusion of Multiple Pattern Classifiers - Part III
Zirilli	Calculus of Variations and Data Fusion - Part II
Bossé/Jouan/Boily	Command Decision Support and Information Fusion - Part I: Cognitive Systems Engineering

4th day (4 in a.m., 3 in p.m.) - 21 August

Iyengar/Steinberg/Yager/Chernyak	Architecture Issues - Part I: Distributed Sensor Networks
Iyengar/Steinberg/Yager/Chernyak	Architecture Issues - Part II: System Engineering for Multi-Sensor Data Fusion
Iyengar/Steinberg/Yager/Chernyak	Architecture Issues - Part III: Fuzzy Logic and Soft Computing in High Level Information Fusion
Michalska	Tracking and guidance-Part I: Incident Detection and Adaptive Estimation for Improved Guidance
Roli	Fusion of Multiple Pattern Classifiers - Part IV
Bossé/Jouan/Boily	Command Decision Support and Information Fusion - Part II
Sundareshan	Data fusion for imagery-Part II: Super-Resolution of Tactical Imagery Data for Fusion of Images

5th day (4 in a.m., 3 in p.m.) -22 August

Blasch	Fundamentals of Information Fusion and Applications - Part III: Large funded military programs
Alexiev/Corradini	Visualization - Part I: Spatio-Temporal Data Visualisation and Analysis for Multi-Target Tracking
Alexiev/Corradini	Visualization - Part II: Multimodal Input Fusion in Human-Computer Interaction on the Example of the NICE Project
Rogova/Varshney	Distributed data fusion –Part III: Multisensor Data Fusion and Distributed Signal Detection Problem
Bossé/Jouan/Boily	Command Decision Support and Information Fusion - Part III: Agent Based Resource Management Simulation
Reggazoni/Guainazzo/Marchesotti	Multiple Cooperative Sensors-Part III: Issues in multicamera dynamic metadata information extraction and interpretation for ambient intelligence
Sundareshan	Data Fusion for Imagery-Part III: Distributed Data Fusion in Bayesian sensor networks

6th day (visit to Yerevan in a.m., 2 presentations in evening) - 23 August

Atoyan/Patera	Application of the continuous extension of DCT to images taken by Forward-Looking Infrared detectors
Malyutov	A Fusion of Various Methods for Resolving the Shakespeare Controversy

7th day - 24 August:

Choice of organized excursions

Bus trip to location for banquet

BANQUET

8th day (7th working day, 4 in a.m., 3 in p.m.) - 25 August

**Shahbazian/Menard/Lefebvre
Valin/Allard/Demers** Distributed Data Fusion Demonstration - Part III: Data Fusion Testbed for Recognised Maritime Picture Fusion for Airborne/Spaceborne Identification of Objects - Part III: Fusion of 2 Imagery classifiers; a case study

**Malyutov
Michalska** Multi-trajectory Estimation - Part I: Non-Parametric Multi-trajectory Estimation Tracking and guidance-Part II: A novel IMM-GLR Algorithm for a Class of Hidden Lump Processes in Application to Tracking of Highly Maneuvering Targets

Nimier/Foresti(Sindaro) Homeland Defence – Part I: The use of quotation and contextual information in fusion techniques for homeland defence

Nimier/Foresti(Sindaro) Homeland Defence – Part II: A Distributed Sensor Network for Real-Time Multisensor Surveillance of Possible Terrorist Actions

Malyutov Multi-trajectory Estimation - Part II: Robust Modification of the EM -Algorithm for Parametric Multi-trajectory Estimation in Noise and Clutter

9th day (8th working day, 4 in a.m., 3 in p.m.) - 26 August

Haroutunian/Akperjanian Reliability in Multiple Hypotheses Testing and Identification Problems - Part I

Haroutunian/Akperjanian Reliability in Multiple Hypotheses Testing and Identification Problems - Part II

Mihaylova/Thomas Dynamic applications - Part I: Active Robotic Sensing as Decision Making Based on Statistical Methods

Mihaylova/Thomas Dynamic applications - Part II: Behavioral Model of Pedestrian Dynamics under Emergency Evacuation Scenarios

Kharytonov/Paleo/Constantinescu Catastrophic Events - Part I: Blasting impact assessment and mitigation of the dust-gas clouds spreading in the iron ore mining region of Ukraine

Kharytonov/Paleo/Constantinescu Catastrophic Events - Part II: The adaptative spatially-based response approach for emergency preparedness and the integration of geospatial information in the Region of Extremadura

10th day (9th working day, 4 in a.m., 3 in p.m.) - 27 August

Schmilovici/Nardi/Vergara Surveillance/Monitoring Applications - Part I: A Prototype Fuzzy System for Surveillance Picture Understanding

Iyengar/Steinberg/Yager/Chernyak Architecture Issues - Part IV: Advantages and Drawbacks of Multisite radar systems

Pogossian/Javadyan/Kerobyan Information security – Parts I and II: A Game Model for Effective Counteraction Against Computer Attacks in Intrusion Detection Systems

Schmilovici/Nardi/Vergara Surveillance/ Monitoring Applications - Part II: Monitoring and Information Fusion for Search and Rescue Operations in Large-scale Disasters

Arakelyan Relational Data Base Models and its Applications for Data Fusion and Data Fission

Pogossian/Javadyan/Kerobyan Information security – Part II: Experiments with Dynamic Protection Computer Attacks in Multi-Agent Intrusion Detection Systems

11th day (10th working day, 3 in a.m., 3 in p.m.) - 28 August

Haroutunian/Akperjanian/Atoyan Continuous Multi-Dimensional Extension of the Discrete Cosine Transform, and its Application to Image Processing- Part III

Gorodetsky Multi-Agent Data and Information Fusion - Parts I, II

Pogossian/Javadyan/Kerobyan Information security – Part III: Multi-Agent Technologies in Information Security Systems: Methods, Tools & Estimation

Smirnov Knowledge Fusion in the Scalable Infosphere - Parts I, II

12th day (11th working day, 2 in a.m, then departure) - 29 August

Schmilovici/Nardi/Vergara Surveillance/ Monitoring Applications - Part III: Forest Fire Detection by Infrared Data Processing

Kharytonov/Paleo/Constantinescu Catastrophic Events - Part III: Considerations on security-related nuclear power plants possible incidents in Romania

CLOSING CEREMONY