

4-th Multimedia Communications, Services and Security
Kraków 2011

Thu Jun 2, 2011

Summary:

Registration

Time:

8:30a

Location:

D6/Lobby

Summary:

Opening

Time:

9:30a

Location:

D6/201

Summary:

Session I ("Watermarking Technology, Cryptography and Data Protection in Applications Audio and Video Processing"), 4 Technical Papers * 19 min each

Time:

9:45a

Location:

D6/201

Description:

Chairman: Prof. Anton Kummert (University of Wuppertal)

1. "A High-Capacity Annotation Watermarking Scheme", Pawel Korus (AGH University of Science and Technology; PL)
2. "M-JPEG RobustVideo Watermarking Based on DPCM and Transform Coding", Jakob Wassermann (FHTW Wien; AT)
3. "Performance Evaluation of the Parallel Codebook Algorithm for Background Subtraction in Video Stream", Grzegorz Szwoch (Gdansk University of Technology; PL)
4. "Software implementation of new symmetric block cipher", Marcin Niemiec (AGH University of Science and Technology; PL)

Summary:

Coffee Break

Time:

11:00a

Location:

D6/Lobby

Summary:

Session II ("Ethical Issues and Procedures in Security Research on Video Surveillance and Internet Monitoring"), 3 Presentations * 20 min each

Time:

11:15a

Location:

D6/201

Description:

Chairman: Tom Sorell (University of Birmingham; UK)

1. "Ethics of video surveillance and internet monitoring", Tom Sorell (University of Birmingham; UK)
2. "The borders of privacy. Philosophical aspects", Dobrosław Kot (Krakow University of Economics; PL)
3. "INDECT approach to privacy and data protection", Jan Derkacz (AGH University of Science and Technology; PL)

Summary:

Lunch

Time:

12:15p

Summary:

Session III ("Intelligent Analysis of Multimedia Content"), 7 Technical Papers * 17 min each

Time:

1:45p

Location:

D6/201

Description:

1. "INACT | INDECT Advanced Image Cataloguing Tool", Michał Grega (AGH University of Science and Technology; PL)
2. "Hierarchical estimation of human upper body based on 2D observation utilizing evolutionary programming and 'genetic memory'", Piotr Szczuko (Gdansk University of Technology; PL)
3. "INCR | INDECT Multimedia Crawler", Michał Grega (AGH University of Science and Technology; PL)
4. "Automated Optimization of Object Detection Classifier using Genetic Algorithm", Andrzej Matiolański (AGH University of Science and Technology; PL)
5. "Extensible Web Crawler – Towards Multimedia Material Analysis", Wojciech Turek (AGH University of Science and Technology; PL)
6. "Multi-criteria metadata mechanisms for fast and reliable searching of people using databases with unreliable records", Julian Balcerk (Poznan University of Technology; PL)
7. "Fast face location using Ada-Boost algorithm and identification with matrix decomposition methods", Adam Dabrowski (Poznan University of Technology; PL)

Summary:

Coffee Break, Expo and Session IV, 14 Posters

Time:

3:45p

Location:

D6/Lobby

Description:

1. "One Approach of Using Key-dependent S-BOXes in AES", Nikolai Stoianov (Technical University of Sofia; BG)
2. "Overview of the Security Components of INDECT Project", Nikolai Stoianov (Technical University of Sofia; BG)
3. "Positioning in Multi-camera Visual System", Piotr Marcinkowski (Gdansk University of Technology; PL)
4. "A Multithreaded Architecture on Android to Efficiently Cater Integral Projections Based Face Tracking Algorithm to Handheld Devices", Suman Kumar Sanjeev Prasanna (Aricent Technologies Limited; IN)
5. "Implementation of the new integration model of security and QoS for MANET to the OPNET", Ján Papaj (Technical University of Košice; SK)
6. "Prototypes of a Web System for Citizen Provided Information, Automatic Knowledge Extraction, Knowledge Management and GIS Integration", Antoni Ligęza (AGH University of Science and Technology, PL)
7. "Face occurrence verification using Haar cascades - comparison of two approaches", Piotr Boryło (AGH University of Science and Technology, PL)
8. "Scalability Study of Wireless Mesh Networks with Dynamic Stream Merging Capability", Kien Hua (University of Central Florida, US)
9. "Biometric Template Protection", Hossein Malekinezhad (Islamic Azad University, IR)
10. "Human Re-identification System On Highly Parallel GPU and CPU Architectures", Sławomir Bak (INRIA; FR)
11. "Building domain-specific Architecture Framework for Critical Information Infrastructure", Grzegorz Sowa (Comarch S.A.; PL)
12. "Quantum Cryptography Protocol Simulator", Marcin Niemiec (AGH University of Science and Technology, PL)
13. "Interactive Voice-XML Module into SIP-based Warning Distribution System", Karel Tomala (VSB – Technical University of Ostrava; CZ)
14. "A solution for IPTV services using P2P", Thuy Le (Waseda University; JP)

Summary:

Social Event (Dinner)

Time:

7:00p

Location:

Krakus

Fri Jun 3, 2011

Summary:

Session V ("Acquisition of Multimedia Content and Quality of Experience Management in Content Distribution Networks"), 6 Technical Papers * 18 min each

Time:

10:00a

Location:

D6/201

Description:

Chairman: Prof. Andrzej Czyżewski (Gdansk University of Technology)

1. "Quality Assessment for a License Plate Recognition Task Based on a Video Streamed in Limited Networking Conditions", Lucjan Janowski (University of Geneva; CH)
2. "Semantic Structure Matching Recommendation Algorithm", Andrzej Szwabe (Poznan University of Technology; PL)
3. "Assessing Task-Based Video Quality | A Journey from Subjective Psycho-Physical Experiments to Objective Quality Models", Mikolaj Leszczuk (AGH University of Science and Technology; PL)
4. "Assessing Quality of Experience for High Definition Video Streaming under Diverse Packet Loss Patterns", Piotr Romaniak (AGH University of Science and Technology; PL)
5. "An Informatics-based Approach to Object Tracking for Distributed Live Video Computing", Alexander Aved (University of Central Florida; US)
6. "Performance measurements of real time video transmission from car patrol", Andrzej Ciarkowski (Gdansk University of Technology; PL)

Summary:

Coffee Break

Time:

11:45a

Location:

D6/Lobby

Summary:

Session VI ("Intelligent Monitoring and Threat Detection in Urban Environment Observation Systems Including Safety Monitoring and Evacuation), 4 Technical Papers * 19 min each

Time:

12:00p

Location:

D6/201

Description:

Chairman: Jakob Wassermann (FHTW Wien; AT)

1. "Brightness correction and stereovision impression based methods for perceived quality improvement of CCTV video sequences", Julian Balcerek (Poznan University of Technology; PL)
2. "On Occlusion-Handling for People Detection Fusion in Multi-Camera Networks", Anselm Haselhoff (University of Wuppertal; DE)
3. "A Multicriteria Model for Dynamic Route Planning", Andrzej Glowacz (AGH University of Science and Technology; PL)
4. "WSN-Based Fire Detection and Escape System with Multi-modal Feedback", Zahra Nauman (COMSATS Institute of Information Technology; PK)

Summary:

Lunch

Time:

1:15p

Summary:

Session VII ("Experiments and Lessons from Recent Deployments"), 5 Technical Papers * 18 min each

Time:

2:45p

Location:

D6/201

Description:

Chairman: Prof. Andrzej Duda (INP Grenoble - ENSIMAG, LIG Lab)

1. "Integrating Applications Developed for Heterogeneous Platforms: Building an Environment for Criminal Analysts", Arkadiusz Świerczek (AGH University of Science and Technology; PL)
2. "LDA for Face Profile Detection", Tomasz Orzechowski (AGH University of Science and Technology; PL)
3. "Traffic Danger Ontology for Citizen Safety Web System", Weronika Adrian (AGH University of Science and Technology; PL)
4. "Acoustic Events Detection using MFCC and MPEG-7 Descriptors", Eva Vozarikova (Technical University of Kosice; SK)
5. "Analysis of Malware Network Activity", Gilles Berger-Sabbatel (Grenoble Informatics laboratory; FR)

Summary:

Coffee Break

Time:

4:15p

Location:

D6/Lobby

Summary:

Session VIII ("Communications, Services and Security Applications"), 4 Technical Papers * 19 min each

Time:

4:30p

Location:

D6/201

Description:

Chairman: Dr. Ioannis Klapaftis (University of York)

1. "Distributed Framework for Visual Event Detection in Parking Lot Area", Piotr Dalka (Gdansk University of Technology; PL)
2. "Detection and localization of selected acoustic events in 3D acoustic field for smart surveillance applications", Jozef Kotus (Gdansk University of Technology; PL)
3. "Graph-based Relation Mining", Ioannis Klapaftis (University of York; UK)
4. "Analysis of particular iris recognition stages", Tomasz Marciniak (PUT; PL)

Summary:

Best Paper Awards and Closing

Time:

5:45p

Location:

D6/201