



Science for Peace and Security (SPS)
North Atlantic Treaty Organization



Philosophy and Synergy of Information: Sustainability and Security
20–24 April 2011, Tbilisi, Georgia

TBILISI – SPRING – 2011
Conference Programme

Co-Chairs:

Prof. Dr. Souzana Michailidis (USA-Greece), Prof. Dr. Paata Kervalishvili (Georgia)

Day First (19 April 2011)

Arrival and accommodation of Conference participants

19.00 Welcome reception (Discussions and Setting the Scene)

Day Second (20 April 2011)

12.00 – 14.00 Registration and Collation

14.00 – 15.00 Opening session (Aula Magna of Georgian Technical University)

Chairs: Prof. Dr. Archil Prangishvili (GTU), Souzana Michailidis (University of Indianapolis), Paata Kervalishvili (GTU)

Welcome addresses: President of Georgia, Parliament of Georgia, Georgian Ministries, NATO assistant secretary general, Euro Mediterranean academy of Arts and Sciences (EMAAS), Federation of American Scientists (FAS), etc.

15.00 – 15.30 Coffee Break

15.30 – 17.00 Session I (G. Nikoladze Conference Hall of Georgian Technical University),

Chairs: Prof. Dr. Konstantinos Spentsas (EMAAS), Dr. Karine Kotoyantz (Kaz.Tel.Inst.)
Prof. Dr. Souzana Michailidis (UINDY) “Synergy of Literature and Thought on Nature, Sustainability and Security”.

Dr. Zurab Karumidze (IFSD Georgia) “Technology Information and Collective Memory: Humanities for Sustainable development”.

17.00 – 18.00 Meeting for all Session Chairs

Day Third (21 April 2011)

9.30 – 11.30 Session II, Chairs: Prof. Jean Bonnin, Prof. Vivian Gales

Prof. Konstantinos Spentzas (EMAAS) “Safety and stability of the internet system”.

Prof. Abderrahmane Tadjeddine (SESAME Centre) “Sesame, Centre of Excellence for Basic and Applied Science in the Middle East”.

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Prof. Alexander Tvalchrelidze (IFSD Georgia) “Challenges of Drinking Water Security in Europe and role of Georgia in their Mitigation”.

11.30 – 12.00 Coffee Break

12.00 – 14.00 Session III, Chairs: Prof. Waclaw Gudowsky, Dr. Brenda Russel

Prof. Dr. Michael Zgurovsky (NTUU KPI) “Sustainable Development Global Analysis: Quality and Security of Human Life”.

Dr. Karine Kotoyants (KazTel), Dr. Karine Kozlova Fraser Uni), “The Formation of R&D Institutions for ICT Sector as a Key Factor in Sustainable Development”

Prof. Paata Kervalishvili, (GTU - EMAAS) “Is information a matter, and does it has a mass?”.

Dr. Nazim Nasryullayev, Dr. Marif Jafarov (Baku State University) “Natural Resources and Their Sustainable Development”.

Dr. Alexander Makarenko (NTUU KPI), Dr. Zinaida Klestova (NAASU), Dr. Evgeni Samorodov (NTUU KPI) “Sustainable Development, GIS and Some Real Problems”.

14.00 – 15 00 Buffet Lunch

15.00 – 17.00 Session IV Chairs Prof. Michael Zgurovsky, Prof. Manana Khachidze

Dr. Paata Shevardnadze (IFSD Switzerland) “Sustainable democracy – a new pattern of human habitat”.

Prof. Vyacheslav Safarov (UniPar) “Sustainable electronics: Mineral resources depletion”

Prof. Davit Chavchanidze (TSMU) “Synergy in Biodiversity; Observation and Specimen Records” .

Dr. Valerio De Divitis (UnuPer) “ Conflict Areas, Migration and Security”.

Dr. Natia Tsiklauri (GTU) “Regional Development and efficiency control system”.

19.30 Gala Dinner

Day Fourth (22 April 2011)

9. 30 – 11.30 Session V Chairs: Prof Paraskevi Euthymiou, Prof. Alexander Tvalchrelidze

Prof. Jean Bonnin (Strassburg University) "Considerations on data availability when trying to mitigate disaster con-sequences"

Prof. Stane Pejovnik (LjubUni) “University of today and tomorrow: synergy and Sustainability”.

Prof. Ketevan Kotetishvili, Dr. Guram Chikhladze (GTU) “ The role of information synergy in application of Ray diagnostic”

Prof. Evgeni Baratashvili, Prof. Nodar Grdzlishvili (GTU) “Regional diagnostics Theses”.

Prof. Otar Zumburidze, Dr. Mikheil Akhobadze (GTU) “Connectivity Factor Approach in Social Systems”.

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Prof. Badri Meparishvili, Dr. Giorgi Kervalishvili, Prof. Gulnara Janelidze (GTU) “One Approach to Adaptive Control of Mobile Sensor System”

11.30 – 12.00 Coffee Break

12.00 – 14.00 Session VI Chairs: Prof. Jeremy Ramsden, Dr. Zinaida Klestova

Prof. Alexei Gvishiani (RAS) “Novel methods of geophysical data mining”

Prof. Archil Chirakadze, Prof. Irina Khomeriki (TSU-GTU) “Development of a Qualitative Assessment-Comparison Model and Investigation of Environmental Methods Facilitating the Sustainable Development of South Caucasian Countries”.

Prof. Archil Prangishvili, Prof. Oleg namicheishvili (GTU) “Threshold redundancy of binary sensors”.

Prof. Valida Sesadze (GTU) “Method of synergetics in control Theory”.

Prof. Paata Kervalishvili, Prof. Badri Meparishvili, Dr. Gulnara Janelidze (GTU) “Agent-based Approach To Decision Support Process In Business Intelligence”.

14.00 – 15 00 Buffet Lunch

15.00 – 17.00 Session VII Chairs Dr. Vic Korsun, Dr. Elena Opekoun

Prof. Jeremy Ramsden (Cranfield University) “What is sustainability?”

Prof. Francesco Pedrielli (UniFe) “Novel sensory information systems for photovoltaic networks”.

Prof. Archil Prangishvili, Prof. Tamaz Tsababadze, Prof. Mamuka Matsaberidze (GTU) “On prospect for utilization of grid technologies in Georgian technical University”.

Prof. Zinaida Klestova, Dr. Oleg Zoz (NAASU) “Creation of Protection Antivirus Means as Part of Biosecurity Strategy”.

Prof. Panos Yannakopoulos (TEIPIR) “ Sensory information systems”.

Day Fifth (23 April 2011)

9. 30 – 11.30 Session VIII Chairs: Dr. Roma Stubriene, Prof. Elguja Kutelia

Prof. Tamaz Obgadze (GTU) “Dynamics of the Oil Spot in the Black Sea Waters of Batumi”

Dr. Angelo Davaris (TEIPIR) “New developments of chemical sensory information systems”.

Dr. Nick Emmanuel (TU) “ Quantum approaches to information and communication”.

Prof. Irina Gotsiridze, Dr. Tamaz Gigilashvili (GTU) “Computer based training and testing system”.

Dr. Maia Archuadze, Prof. Gela Besiashvili, Prof. Manana Khachidze (TSU) “Knowledge engineering: quantum approach”.

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11.30 – 12.00 Coffee Break

12.00 – 14.00 Session IX Chairs: Prof. Zurab Gasitashvili, Dr. Tamar Berberashvili
Prof. Darejan Geladze (Batumi State University) “Electronic text books as an independent development means for cognition”.
Prof. Maia Guramishvili (GTU) “Conflict in the system – information studies problem”.
Prof. T. Tsabadze, Prof. M. Matsaberidze, Prof. T. Tsmalashvili, Prof. S. Baratashvili (GTU) “On management of biological risks under uncertainty”.
Prof. Tinatin Mshvidobadze (Gori State University) “Information and communication technology and public innovation”.
Prof. Richard Megrelishvili, Prof. Gela Besiashvili, Dr. Sofia Shengelia (TSU-Sukhumi State University) “Original one way matrix function and the key-exchange algorithm.”
Prof. V. Sesadze, Prof. G. Chikadze, Prof. G. Dalakishvili (GTU) “Research of structural stability of power systems with use of methods of synergetics”.

14.00 – 15 00 Buffet Lunch

15.00 – 21.00 Session X Chairs: Prof. Archil Prangishvili, Prof. Souzana Michailidis

Round Table Discussion [will take place in old town of Signakhi (Kakheti Region)]

Day Sixth (24 April 2011)

9. 30 – 11.30 Session XI Chairs: Prof. Akaki Gigineishvili, Dr. Lali Chakhvashvili

Reports of the session chairs and discussion.

11.30 – 12.00 Coffee Break

12.00 – 14.00 Closing Remarks and Press Conference

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“Tbilisi-Spring-2011” Conference will be held in Conference halls of Georgian Technical University (Main Building) 77 Kostava St., Tbilisi, Georgia

Conference Chairs:

Prof. Dr. Souzana Michailidis – University of Indianapolis
Prof. Dr. Paata Kervalishvili – Georgian Technical University

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