



ISMS Annual Conference 2015

(R)evolution of War

13 – 15 October 2015

Finnish National Defence University
Helsinki

Programme

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Tuesday 13 October 2015

1330	Transport from the Hotel Scandic Paasi to FNDU, Santahamina Campus (<i>Council members only</i>)
1400 - 1630	ISMS Council meeting, Vihma Cabinet, FNDU (<i>Council members only</i>)
1630	Transport from the Hotel Scandic Paasi to FNDU, Santahamina Campus (<i>Conference Participants</i>)
1700 - 1800	Registration of the Conference Participants (Santahamina building)
1800 - 2030	Icebreaker, Santahamina Building, FNDU (<i>All</i>)
2030	Transport to the Hotel Scandic Paasi

Wednesday, 14 October 2015

0730	Transport from the Hotel Scandic Paasi to FNDU (Santahamina building)
0800 - 0840	Registration of Conference Participants (Santahamina building)
0840 - 0900	Administrative remarks, Auditorium Itälinnake
0900 - 0915	Welcome and Opening the Conference, Auditorium Itälinnake Rear Admiral Veijo Taipalus Rector of the FNDU
0915 - 0945	Keynote Address, Auditorium Itälinnake Doctor Teija Tiilikainen Director of the Finnish Institute of International Affairs
0945 - 1015	Coffee break Exhibition of Military Education (WG 9) posters (Santahamina building)
1015 - 1200	Parallel Working Groups Session I
	WG 1, War Studies, Room Group Study 3 Chair: Professor Dr. John David Young, Royal Defence College of Canada Co-Chair: Jari Rantapelkonen, Finnish National Defence University CHANG, Jun Yan, LEE, Il Woo: <ul style="list-style-type: none"> Star-Spangled Banner: The Recurrence of American Neoconservatism and Military Interventions KASAPOGLU, Can, VEHBI, Asim: <ul style="list-style-type: none"> Strategic Defensive Weapons and Evolution of Intrawar Deterrence: Assessing Missile Defense Trends in the Middle East
	WG 2, Military History, Room Samuel Möller (Ritaritalo building) Chair: Pasi Kesseli, Finnish National Defence University WG 7, Armed Forces and Society, Room Samuel Möller (Ritaritalo building) Chair Teemu Tallberg, Finnish National Defence University LIIKOLA, Jani: <ul style="list-style-type: none"> Organizational creativity of military organization (WG 7) LINN, Brian: <ul style="list-style-type: none"> The Evolving American Way of War (WG 2)
	WG 3, Military Technology, Room Group Study 2 Chair: Professor Dr. Gunnar Hult, Swedish National Defence University Co-Chair: Jouko Vankka, Finnish National Defence University HART, John, TOPRAK, Sadik: <ul style="list-style-type: none"> Experience of Medical Forensics in Poisoning Cases and Possible Relevance for CBW Investigative Mechanisms JOHNSSON, Fredrik, VRETBLAD, Bengt: <ul style="list-style-type: none"> Risk – Is That Really a Technical Issue?
	WG 4, Leadership, Command and Control and Basic Competences, Room Tutkamäki 2 Chair: Professor Aki-Mauri Huhtinen, Finnish National Defence University Co-Chair: Soili Paananen, Finnish National Defence University TROCHOWSKA, Kamila: <ul style="list-style-type: none"> Neuroanthropology – the Next Big Thing in military training? HÄYRYNEN, Heli: <ul style="list-style-type: none"> Leadership competency in a Narrative Framework MATTSSON, Peter, HOLMBERG, Martin: <ul style="list-style-type: none"> Rethinking the use of C2 methods for small states facing an adversary with superior resources.

	<p>WG 6, Security and Defence, Room Riviera Chair: Dr. Thomas Pankratz, Austrian National Defence Academy Co-Chair: Professor Pekka Sivonen, Finnish National Defence University BERINDAN, Ion:</p> <ul style="list-style-type: none"> • <i>Death by computer – or how to win a nuclear war from your living-room.</i> <p>BON, Alexander:</p> <ul style="list-style-type: none"> • <i>The debate on the use of new U.S. Navy drones</i>
	<p>WG 8, Defence Management and Economics, Room Computer Chair: Dr. Robert Beeres, Dutch Defence College Co-Chair: Juha-Matti Lehtonen, Finnish National Defence University BEERES, Robert:</p> <ul style="list-style-type: none"> • <i>NATO burden sharing 1949-2013: is it time to leave?</i> <p>ÖSTERLUND, Bo:</p> <ul style="list-style-type: none"> • <i>Does Finland have enough Sea Transport Capacity?</i> <p>HÄYHTIÖ, Markus:</p> <ul style="list-style-type: none"> • <i>In the Search for Efficiency and Effectiveness: Requirements Management as a Performance Measurement System – Case: Finnish Defence Forces Catering Operations)</i>
	<p>WG 10, Russia, Auditorium Itälinnake Chair: Professor Markku Kivinen, Aleksanteri Institute, Finland Co-Chair Anna-Liisa Heusala, Aleksanteri Institute, Finland BĒRZIŅŠ, Jānis:</p> <ul style="list-style-type: none"> • <i>The Evolution of the Concept of Russian New Generation Warfare: Implications for European Security</i> <p>BĒRZIŅŠ, Jānis, BĒRZIŅA, Ieva:</p> <ul style="list-style-type: none"> • <i>Russia's Grand Strategy Accordingly to the 2014 Military Doctrine</i>
1200 - 1315	Lunch (FNDU Dining hall)
1315 - 1445	Parallel Working Groups Session II
	<p>WG 1, War Studies, Room Group Study 3 KOPEC, Rafal:</p> <ul style="list-style-type: none"> • <i>Out of the Loop? Toward Autonomy of Combat Robots</i> <p>LEE, Il Woo:</p> <ul style="list-style-type: none"> • <i>Controlling Narratives: An evolutionary element in today's conflicts or a fantasy that has always been understood but never truly established?</i>
	<p>WG 2, Military History, Room Samuel Möller (Ritaritalo building) WG 7, Armed Forces and Society, Room Samuel Möller (Ritaritalo building) RAES, Steffi, BOIS, Cind Du, BUTS, Caroline:</p> <ul style="list-style-type: none"> • <i>Do casualties affect troop deployment? (WG 7)</i> <p>PAOLETTI, Ciro:</p> <ul style="list-style-type: none"> • <i>A lesson the politicians want not to learn: what is fast now, means troubles later; speedy invasions as a root for guerrilla (WG 2)</i>
	<p>WG 3, Military Technology, Room Group Study 2 KLEMETTI, Markus, PUUSKA, Samir, VANKKA, Jouko:</p> <ul style="list-style-type: none"> • <i>Entropy Measures in Critical Infrastructure Graphs</i> <p>VANKKA, Jouko, ZAERENS, Klaus:</p> <ul style="list-style-type: none"> • <i>Improving Survivability of Situational Awareness by Multi-objective Genetic Programming (Full paper)</i>
	<p>WG 4, Leadership, Command and Control and Basic Competences (Soldiers` physical performance), Room Tutkamäki 2 Chair: Jani Vaara, Finnish National Defence University KOSKENSALO, Petra, NYKÄNEN, Tarja, VAARA, Jani, KYRÖLÄINEN, Heikki, TANSKANEN, Minna,</p> <ul style="list-style-type: none"> • <i>The use of military food rations in the reconnaissance military field exercise</i> <p>TERHO, Anttu, VAARA, Jani, KYRÖLÄINEN, Heikki:</p> <ul style="list-style-type: none"> • <i>Load Carriage Exercises with two different Loads and their Effects on Soldiers Physiology</i> <p>VAARA, Jani, VISKARI, Jarmo, KYRÖLÄINEN, Heikki, SANTTILA, Matti:</p> <ul style="list-style-type: none"> • <i>Female soldiers` attitudes toward physical fitness standards in soldiers: associations with military rank, age, body composition and fitness level</i> <p>VÄYRYNEN, Tanja, HUOVINEN, Jukka, KYRÖLÄINEN, Heikki, VAARA, Jani,:</p> <ul style="list-style-type: none"> • <i>Cardiac autonomic regulation and hormonal responses during a two-week military training</i>
	WG 6, Security and Defence Policy and Strategy, Room Riviera

	<p>BRATTON, Patrick:</p> <ul style="list-style-type: none"> • <i>Paradigm Shifts and Defense Reforms: The Case of India</i> <p>KOIVULA, Tommi:</p> <ul style="list-style-type: none"> • <i>The European Union and the Use of Military Force: Mapping the Discursive Space of the EU Common Security and Defence Policy</i>
	<p>WG 8, Defence Management and Economics, Room Computer</p> <p>HÄMÄLÄINEN, Juhani, NIKKARILA, Juha-Pekka:</p> <ul style="list-style-type: none"> • <i>Modelling Strategy Effectiveness with Resource Profit Ratio Integrals (Full paper)</i> <p>LEHTONEN, Juha-Matti, ISOJÄRVI, Henry:</p> <ul style="list-style-type: none"> • <i>Nordic Defence Cooperation savings potential with respect to materiel (Full paper)</i>
	<p>WG 10, Russia, Auditorium Itälinnake</p> <p>HEUSALA, Anna-Liisa:</p> <ul style="list-style-type: none"> • <i>The Construction of National Security in Russia</i> <p>JAITNER, Margarita, KALININA, Ekaterina:</p> <ul style="list-style-type: none"> • <i>Countering Information Warfare</i>
1445 - 1515	Coffee break (Santahamina building)
1515 - 1645	Parallel Working Groups Session III
	<p>WG 1, War Studies, Room Group Study 3</p> <p>LOO, Bernard:</p> <ul style="list-style-type: none"> • <i>Metaphors of War in the 21st Century: from Duel to Street Brawl, and Implications for Strategy</i> <p>PEDERSEN, Claudia:</p> <ul style="list-style-type: none"> • <i>Serbian Nationalism – the use of history</i> <p>PEISCHEL, Wolfgang, GRANLUND, Helena:</p> <ul style="list-style-type: none"> • <i>The culturally endorsed perception of the phenomenon of time as a driving force in the development of a renewed European/Western concept of strategy</i>
	<p>WG 2, Military History, Room Samuel Möller (Ritaritalo building)</p> <p>AKDENİZ, Metin:</p> <ul style="list-style-type: none"> • <i>1st World War - Çanakkale (Dardanelles) Warfare, A Milestone for the next Centuries</i> <p>PALCZEWSKA, Milena:</p> <ul style="list-style-type: none"> • <i>The origins of war. Biological and anthropological theories</i>
	<p>WG 3, Military Technology, Room Group Study 2</p> <p>ADAM, Frank-Michael:</p> <ul style="list-style-type: none"> • <i>Revived method of rapid repair for rigid concrete pavement constructions of military Airfield Operation Surfaces (Full paper)</i> <p>MARSDEN, Stuart, VANKKA, Jouko:</p> <ul style="list-style-type: none"> • <i>Providing a Tactical Domain For an Independent Nations Task Force (Full paper)</i>
	<p>WG 4, Leadership, Command and Control and Basic Competences, Room Tutkamäki 2</p> <p>HENÄKER, Lars, PALMGREN, Anders, THUNHOLM, Peter:</p> <ul style="list-style-type: none"> • <i>Combat decision making - What contributes to decision-making quality?</i> <p>MATTILA, Juha: <i>Military Knowledge Management:</i></p> <ul style="list-style-type: none"> • <i>Sense making, Decision making and Knowledge creation (Full paper)</i> <p>PEISCHEL, Wolfgang:</p> <ul style="list-style-type: none"> • <i>The Defence-/Force-Planning Process in Comparison of its Specific Implementation by European States – Conclusions with regard to a possible, harmonized European</i>
	<p>WG 6, Security and Defence Policy and Strategy, Room Riviera</p> <p>KOZERA, Cyprian:</p> <ul style="list-style-type: none"> • <i>(R)evolution of threats: Examination of Adrar des Ifoghas in the context of the Global Black Spot theory</i> <p>MAJCHRZAK, Dariusz:</p> <ul style="list-style-type: none"> • <i>Possibilities and chances to establish military forces of European Union</i> <p>MILEVSKI, Lukas:</p> <ul style="list-style-type: none"> • <i>The Nature of Strategy Versus the Character of War</i>
	<p>WG 9 A, Panel discussion: Military Education, Teaching and Learning in Military Education, Room Tutkamäki 1</p> <p>Chair: Professor David Last, Royal Military College of Canada</p> <p>Co-Chair: Jani Vaara, Finnish National Defence University</p> <p>MITCHELL, Paul:</p> <ul style="list-style-type: none"> • <i>Designing Design: Teaching Strategy and Operations for Small Militaries</i>

	<p>MÄNNISTE, Tõnis, PEDASTE, Margus:</p> <ul style="list-style-type: none"> How the Characteristics of a Problem differ in the Military Context <p>RENTOLA, Hannu:</p> <ul style="list-style-type: none"> Individuals learn in groups. Research-based learning creates opportunities to understand the practice. <p>HEDLUND, Erik, PAANANEN, Soili:</p> <ul style="list-style-type: none"> Team learning and leadership in a military staff exercise
	<p>WG 10, Russia, Auditorium Itälinnake</p> <p>MATTSSON, Peter:</p> <ul style="list-style-type: none"> Modern Russian Psychological Operations (PSYOPS) <p>MATTSSON, Peter:</p> <ul style="list-style-type: none"> From Warden's Parallell Warfare to a new Russian Generation of Warfare
1700	Transport to the Hotel Scandic Paasi
1830	Transport to FNDU, Santahamina Campus
1900 - 2200	<p>Conference Dinner, FNDU Banquet Hall</p> <p>Hosted by Rear Admiral Veijo Taipalus, Rector of FNDU</p>
2230	Transport to the Hotel Scandic Paasi

Thursday, 15 October 2015

0830	Transport from the Hotel Scandic Paasi to FNDU (Santahamina building)
0900 - 1030	Parallel Working Groups Session IV
	<p>WG 1, War Studies, Room Group Study 3</p> <p>RANDALL, Peter:</p> <ul style="list-style-type: none"> Strategy and peace: a relationship for the twenty-first century? <p>SPEARIN, Christopher:</p> <ul style="list-style-type: none"> The Nature and Limits of Private Air Power: Violence and the Relationship to the State <p>SVENDSEN, Adam:</p> <ul style="list-style-type: none"> Advancing System of Systems Dynamics (SoSD) in the Cyber Intelligence (CYBINT) domain
	<p>WG 3, Military Technology, Room Group Study 2</p> <p>KUIKKA, Vesa, NIKKARILA, Juha-Pekka, SUOJANEN, Marko:</p> <ul style="list-style-type: none"> Dependency of Military Capabilities on Technological Development (Full paper)
	<p>WG 4, Leadership, Command and Control and Basic Competences, Room Tutkamäki 2</p> <p>Chair: Soili Paananen, Finnish National Defence University</p> <p>KOŁODZIEJCZAK, Malwina:</p> <ul style="list-style-type: none"> The Commander-in-Chief in National Security Command and Control System in the Republic of Poland <p>KESKINEN, Jenni, SIMOLA, Petteri:</p> <ul style="list-style-type: none"> The effect of job demands and social support on peacekeepers' psychological well-being after deployment (Full paper) <p>PENTTINEN, Mika:</p> <ul style="list-style-type: none"> Honor Shall Adorn the Endurance, Shall Not It? (Full paper)
	<p>WG 6, Security and Defence Policy and Strategy, Room Riviera</p> <p>SALMINEN, Mirva:</p> <ul style="list-style-type: none"> Government of Cyber Security as National Security <p>TRAUTNER, Jeppe:</p> <ul style="list-style-type: none"> Comparing Conventional Capabilities in Northern Europe <p>VANAGA, Nora:</p> <ul style="list-style-type: none"> Baltic Military Cooperation: Challenges for Common Response
1030 - 1100	<p>Coffee break</p> <p>Exhibition of Military Education (WG 9) posters (Santahamina building)</p>
1100 - 1230	Parallel Working Groups Session V
	<p>WG 1, War Studies, Room Group Study 3</p> <p>YOUNG, John:</p> <ul style="list-style-type: none"> (R)evolution in the operating environment: International Organisations and the Ukraine Crisis <p>MÄLKKI, Juha:</p> <ul style="list-style-type: none"> Conceptualising Warfare and Art of War - Dimensions of art of war -model in understanding Hybrid Warfare (Full Paper)

	<p>WG 6, Security and Defence Policy and Strategy, Room Riviera WU, Shang-su:</p> <ul style="list-style-type: none"> <i>The Naval Fortress: A New Sea Denial Option in the Twenty First Century</i> ROPONEN, Juho, SALO, Ahti: <i>Adversarial Risk Analysis for Enhancing Combat Simulation Models (Full paper)</i>
	<p>WG 9 B, Panel discussion: Military Education, Evaluating and Developing Military Education, Room Tutkamäki 1 Chair: Professor David Last, Royal Military College of Canada Co-Chair: Jani Vaara, Finnish National Defence University MATTILA, Lauri, RISSANEN, Antti:</p> <ul style="list-style-type: none"> <i>The Role of Guidance for NDU's Peer Teachers in Science Education</i> LAST, David: <i>Learning from Other Professions to Improve Mid-Career Security Education</i> MUTANEN, Arto: <i>About Human Security (Full paper)</i> NIKKARILA, Juha-Pekka, KANGASNIEMI, Ilmari, VALTONEN, Janne: <i>Bayesian Networks –an Example of Software and some Defence Applications (Full paper)</i> NIKKARILA, Juha-Pekka, VALTONEN, Janne: <i>Tactical Operations Center in Combat: A Case Study on Influence Diagrams in the Field of Military Science (Full paper)</i>
	<p>WG 10, Russia, Auditorium Itälinnake ROSTOKS, Toms:</p> <ul style="list-style-type: none"> <i>Perceiving Russia's intentions: the case of Latvia.</i> ZDANAVICIUS, Liudas: <i>Impact of the Sanctions and the Economic Crisis on the Russian Military Modernization</i> SZCZUREK, Tadeusz, GÓRNIKIEWICZ, Marcin: <i>Mass media and Social media in a Hybrid war as illustrated by the Conflict in Ukraine of 2014-2015 (Full paper)</i>
1230 - 1345	Lunch (FNDU Dining hall)
1345 - 1430	Concluding Remarks by the Working Group Chairs, Auditorium Itälinnake
1430 - 1500	Keynote Address, Auditorium Itälinnake Major General Pertti Salminen Chairman of the Finnish Society of Military Sciences
1500 - 1515	Closing Remarks, Invitation to the Annual Conference 2016, Auditorium Itälinnake
1515 -	Departure , Transport to the Helsinki Airport

Note: Those highlighted with yellow are "Full papers"