



25.-27.9. 2019 | Darmstadt, Germany
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Preliminary Programme

Status: 27.5.2019

Start Duration Chair

Topic

Track

Colours

Social Event
Single Track
Parallel Track

Presentation vs. Discussion

25min each in total
~15-17min Presentation
~5-7min Discussion
~3min Change

Day 1: Wednesday, 25th of September



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15:30	00:30		Arrival with Refreshment	
16:00	02:00	Prof. Alfred Normann (Moderation)	Pre-Workshop: IANUS @ 30+ Anniversary Workshop (open for all conference participants; in German)	
16:00	17:00	Prof. Alfred Nordmann, Dr. René von Schomberg	Looking Back: Prospektiv, integrativ, wertorientiert - IANUS Impulse für eine nachhaltige Friedensforschung	
17:00	18:00	Prof. Alfred Nordmann, Dr. René von Schomberg	Looking Ahead: Zwischen Universität und Zivilgesellschaft - ein Makerspace für friedenspolitische Technikgestaltung	
18:30	00:30		Reception with Drinks	
19:00	00:45	Prof. Christian Reuter (Moderation)	Opening and Ceremonial Address	
19:00	00:05	Prof. Christian Reuter, Dr. Jürgen Altmann, Prof. Malte Götsche, Dr. Mirko Himmel	Welcome to SCIENCE PEACE SECURITY '19	
19:05	00:05	Prof. Alfred Nordmann	Very Short Workshop-Summary and Introduction of the talk	
19:10	00:30	Prof. Jürgen Scheffran	Ceremonial Address: The Ambivalence of Science and Technology	
19:45	02:25		Pre-Conference Dinner	
22:00			End of Wednesday	

Day 2: Thursday, 26th of September



08:00	01:00			Registration and Coffee Reception	
09:00	01:45	Prof. Christian Reuter (Moderation)		Opening, Introduction and Central Challenges	
	00:15	Prof. C. Reuter, Dr. J. Altmann, Prof. M. Götttsche, Dr. M. Himmel	Conference Chairs	Opening by TU Darmstadt, FONAS, IANUS, CROSSING and PEASEC	
	00:05	N.N.		Welcome at TU Darmstadt	
	00:05	Prof. Alfred Nordmann	IANUS	Welcome by IANUS	
	00:05	Prof. Ulrich Schneckener, Dr. Thomas Held	Deutsche Stiftung Friedensforschung	Welcome by Deutsche Stiftung Friedensforschung	
T1	00:25	Dr. Oliver Meier	SWP	Disarmament, arms control and non-proliferation: developments, challenges, solutions	3-BioChem
T2	00:25	Dr. Paul F. Walker	Green Cross International & ISFH	Three Decades of Chemical Weapons Demilitarization: Lessons for WMD Abolition	5-Open
T3	00:25	Dr. Niklas Schörmig	HSFK/PRIF	Weapons verification with high-tech? Chances of and obstacles to making use of emerging technologies in arms control	4-NewTech
10:45	00:30			Coffee Break	
11:15	01:15	Prof. Malte Götttsche (Moderation)		The Past and the Future of Natural-Science/Technical Peace Research	
T4	00:25	Dr. Jürgen Altmann	TU Dortmund	New Military Technologies and International Security/Peace	4-NewTech
T5	00:25	Prof. Götz Neuneck	ISFH Hamburg	Future technological and political Arms Races - Challenges for Research and Implementation	2-Nuclear
T6	00:25	Prof. Martin Kalinowski	CTBTO, Vienna	The Work of the Comprehensive Nuclear-Test-Ban Treaty Organization	2-Nuclear
12:30	01:30			Lunch Break	
14:00	01:15	Dr. Jürgen Altmann (Moderation)		New Technologies for Peace and Security	
T7	00:25	Prof. Christian Reuter	TU Darmstadt	Information Technology for Peace and Security	1-Cyber
T8	00:25	Prof. Gerald Kirchner	ZNF Hamburg	Verification technologies for nuclear arms control treaties: research results and prospects	2-Nuclear
T9	00:25	Dr. Moritz Kütt, Prof. Alexander Glaser	Princeton Univ.	Chips, Bits & Atoms: Building Trusted Electronics for Disarmament Verification	1-Cyber
15:15	01:15	Prof. Christian Reuter (Moderation)		Extended Break (with Coffee and Cake) and Poster Session (Posters will be available the whole conference)	
				See separate list of posters	
16:30	01:40	Prof. Mirko Himmel (Moderation)		Misuse, Attribution and Archaeology	
T10	00:25	Prof. Kathryn Nixdorff	TU Darmstadt	Misuse Potential of Systems Biology - New Challenges for Biological Arms Control?	3-BioChem
T11	00:25	Dr. Ralf Trapp	OPCW	Attribution of responsibility for CW uses: technical, legal and political challenges.	3-BioChem
T12	00:25	Dr. Jonas Siegel	Maryland	Access to reprocessing technologies in the ROK	2-Nuclear
T13	00:25	Prof. Malte Götttsche	RWTH Aachen	Nuclear archaeology: Understanding fissile material inventories for nuclear disarmament	2-Nuclear
18:10	01:20	Birgit Schmidt (Organization)		Break: Guided tour at Mathildenhöhe (optional)	
19:30	03:30			Conference Dinner	
21:15	00:15	Prof. Christian Reuter, Prof. Alfred Nordmann, Prof. Markus Lederer		IANUS Award Ceremony	
21:30	00:15	Thea Riebe, M.-A. Kaufhold (PEASEC)		Collection of Ideas for Future Research	
23:00				End of Thursday	

Day 2: Thursday, 26th of September

Poster Session



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	Prof. Christian Reuter (Moderation)		Poster-Session	
P1	Thea Riebe, Prof. Christian Reuter	TU Darmstadt	Accessing Dual Use in IT Development	1-Cyber
P2	Marc-André Kaufhold, Prof. Christian Reuter	TU Darmstadt	Cultural Violence and Peace in Social Media	1-Cyber
P3	Thomas Reinhold	TU Darmstadt	Militarization of the Cyberspace - Challenges, Tasks and new Approaches for Arms Control	1-Cyber
P4	Franziska Herbert, Gina-Maria Schmidbauer-Wolf, Prof. Christian Reuter	TU Darmstadt	Privacy vs. Security: Privacy Enhancing Technologies in Social Media in Security relevant Situations	1-Cyber
P5	Katrin Hartwig, Prof. Christian Reuter	TU Darmstadt	TrustyTweet: An Indicator-based Browser-Plugin to Assist Users in Dealing with Fake News on Twitter	1-Cyber
P6	Lukas Rademacher, Dr. Madalina Wittel, Prof. Malte Götsche	RWTH Aachen	Reactor archaeology	2-Nuclear
P7	Dr. Moritz Kütt	Princeton Univ.	Technical and Legal Challenges for Germany to join the Treaty on the Prohibition of Nuclear Weapons	2-Nuclear
P8	Hares Sawary, Dr. Gunnar Jeremias	ZNF Hamburg	Biological Weapons - Sources for (Mass-) Disruption?	3-BioChem
P9	Prof. Volkmar Vill, Gesine Rempp, Dr. Mirko Himmel	Univ. Hamburg	Determination of analog structures as instrument for the risk assessment of hazardous chemicals	3-BioChem
P10	Jan Opper	ZNF Hamburg	Dual Use Research of Concern: Who talks about what to whom?	3-BioChem
P11	Dr. Mirko Himmel	ZNF Hamburg	Recent Developments in Biological and Chemical Arms Control	3-BioChem
P12	Maria Hemme	Uni Hamburg	Toxins and the CWC - Validation of analytical methods for the measurement of STX and other PSP toxins	3-BioChem
P13	Hubertus Sonntag, Dr. Jürgen Altmann	TU Dortmund	Comparison of seismic signals of tracked vehicles on asphalt and sand road	4-NewTech
P14	Arne Sönnichsen	Uni Duisb.Essen	Echoes of the Past? New Technologies and Securitization in the Next Phase of the Space Age	4-NewTech
P15	Stefka Schmid, Thea Riebe, Prof. Christian Reuter	TU Darmstadt	Meaningful Human Control of LAWS: A Discourse Analysis of the CCW-Debate and its Implications for Value-Sensitive Design	4-NewTech
P16	Mathias Pilch, Dr. Jürgen Altmann	TU Dortmund	Small and Very Small Armed Aircraft and Missiles - Technical Potential, Dangers and Preventive Arms Control	4-NewTech

Day 3: Friday, 27th of September

08:00	01:00			Registration and Coffee Reception	
09:00	00:45	Dr. Mirko Himmel (Moderation)		Technology and Disarmament	
	00:15	Prof. Christian Reuter		Welcome back!	
T14	00:30	Dr. Jonathan Forman	OPCW	Science and (Bio)Chemical Disarmament: Friends or Foes?	3-BioChem
09:45	00:15			Short Coffee Break / only Coffee	
		Parallel Sessions I:	Morning Sessions		
10:00	01:15	Prof. Christian Reuter (Moderation)		Cyber-Security, Cyber-War and Cyber-Peace	
T15	00:25	Dr. Moritz Weiss, Felix Biermann	LMU Munich	Varieties of cybersecurity? The institutional foundations of protecting critical infrastructures	1-Cyber
T16	00:25	Dr. Matthias Schulze	SWP	Quo Vadis digitale Rüstungskontrolle? Schwachstellen als Ausweg?	1-Cyber
T17	00:25	Thomas Reinhold	TU Darmstadt	Counting Cyber Weapons - New Approaches to regulate and control destructive Cyber Tools	1-Cyber
10:00	01:15	Dr. Mirko Himmel (Moderation)		Biological/Chemical Weapons	
T18	00:25	Dr. Mirko Himmel	ZNF Hamburg	Recent Developments in Biological and Chemical Arms Control	3-BioChem
T19	00:25	Dr. Una Becker Jakob	ISFK/PRIF	Addressing biotechnological developments in the BWC framework: Experiences and options	3-BioChem
T20	00:25	Dr. Johannes Frieß	BOKU Vienna	Gene Drive - Technology with dual-use potential?	3-BioChem
11:15	00:30			Coffee Break	
		Parallel Sessions II:	Midday Sessions		
11:45	01:15	Thomas Reinhold (Moderation)		Arms Control in Science and Technology	
T21	00:25	Arne Sönnichsen, Dr. Daniel Lambach	Uni Duisb.Essen	Space Race, Arms Race, or Neither? Arms Race Dynamics in Outer Space	4-NewTech
T22	00:25	Thea Riebe, Marc-André Kaufhold, Tarun Kumar, Thomas Reinhold, Prof. Christian Reuter	TU Darmstadt	Design and Evaluation of a Threat Intelligence Application for Cyber Attribution	1-Cyber
T23	00:25	Prof. Jürgen Scheffran	Univ. Hamburg	Civil-military interactions, dual-use and preventive arms control in science and technology	5-Open
11:45	01:15	Prof. Malte Göttsche (Moderation)		Safety and Security	
T24	00:25	Prof. Dr. Alfred Nordmann	TU Darmstadt	Engaging the Stewardship Race: How does Peace enter in?	5-Open
T25	00:25	Dr. Anna Cornelia Beyer	Univ. Hull	Abolishing the Security Dilemma: Why we need to integrate the militaries	5-Open
T26	00:25	Annette Ripper	TU Darmstadt	Safety and Security – Their Relation and Transformation	5-Open
13:00	01:15			Lunch Break	
		Parallel Sessions III:	Afternoon Sessions		
14:15	01:15	Thea Riebe (Moderation)		Nuclear Nonproliferation and Disarmament	
T27	00:25	Antonio Figueroa, Prof. Malte Göttsche	RWTH Aachen	Nuclear Archaeology: Reconstructing Reactor Histories From Reprocessing Waste	2-Nuclear
T28	00:25	Dr. Matthias Englert	Öko Insitute	Fissile Materials, Nuclear Proliferation and HEU Elimination	2-Nuclear
T29	00:25	Dr. Madalina Wittel, Prof. Malte Göttsche	RWTH Aachen	Prospects for Spent Nuclear Fuel Safeguarding with Antineutrino Detectors	2-Nuclear
14:15	01:15	Dr. Jürgen Altmann (Moderation)		New Technologies and Arms Control	
T30	00:25	Dr. Grant Christopher	VERTIC	Additive manufacturing and the military: applications and implications	4-NewTech
T31	00:25	Lindsay Rand	CISS Maryland	Seeing the Drone from the Swarm; Legal and Arms Control Implications for Technological Differences	4-NewTech
T32	00:25	Maaïke Verbruggen	Univ. Brussel	Meaningful Human Control of Swarms	4-NewTech
15:30	00:30	Prof. Christian Reuter (Moderation)		Future Peace Workshop	
	00:10	N.N.		Announcement of SCIENCE PEACE SECURITY '21	
	00:20	Prof. Christian Reuter		Outlook and Future Discussions	
16:00	00:45			Farewell Coffee (with Coffee and Cake)	
16:45				End of the Conference	