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|  | **Tuesday, 15th October 2019** |
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| 08:30 – 09:00 | **Registration** |
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| 09:00 – 09:20 | **Opening Ceremony**   * **Welcome** * **Host Nation Welcome Speech**   **(TBA)**   * **Introduction to Workshop**:  Dr. Margaret VARGA (GBR) and Dr. Karel van den BOSCH (NLD) |
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|  | **Session 1 - Introduction** |
| 09:20 – 10:20 | **KEYNOTE SPEECH 1:** Big Data Challenges – Like War *Dr. Ing. Michael WUNDER, IST Panel Chair (DEU*) |
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| 10:20 – 10:50 | **Coffee Break & Topic Selection for Breakout Group Discussions** |
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|  | **Session 2: AI and Machine Learning,** Chair: *TBC* |
| 10:50 – 11:20 | 01 Extracting Value from Large Exercise Data Sets through Machine Learning and Advanced Data Analytics *Dr. Michael STREET, NCIA (BEL)* |
| 11:20 – 11:40 | 02 Living S&T Roadmap for Artificial Intelligence and Big Data for Military Decision Making *Dr. Francince DESHARNAIS, DRDC-Atlantic (CAN)* |
| 11:40 – 12:00 | 03 Exploitation of Sensor Data using Artificial Intelligence for Battlefield Sensemaking *Ms. Valerie LAVIGNE, DRDC-Valcartier (CAN)* |
| 12:00 – 12:30 | 04 Ukrainian conflict in media: Two approaches to Narrative Analysis *Prof. Tomas KRILAVIČIUS, Vytautas Magnus University (LIT)* |
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| 12:30 – 13:45 | **LUNCH** |
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|  | **Session 3 Human Factors** Chair**:** *Karel van den BOSCH (NLD)* |
| 13:45 – 14:15 | 5 Developing Transparent Conversational Agent Systems for Intelligence Analysis *Dr. Sam HEPENSTAL, DSTL (GBR)* |
| 14:15 – 14:35 | 06 Determining the Effectiveness of Representing Intrusion Detection System Log Files with Visualization Techniques *Dr. Gina THOMAS, AFRL (USA)* |
| 14:35 – 14:55 | 07 Meaningful Human Control of AI-based systems: What are the Implications for Situational Awareness and Decision Support, *Dr. Fiona BUTCHER, DSTL (GBR)* |
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| 14:55 – 15:55 | **Coffee/ Tea Break & Session 5 - Demonstration** |
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| 15:55– 17:10 | **Session 6 - Breakout Group Discussion** |
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| 17:10 - 17:30 | **Session 7 - Day Summary** |
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| 17:30 | **End of Day 1** |

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| **16th October 2019** | |
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| 08:30 – 09:00 | **Registration** |
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|  | **Session 8: Introduction** |
| 09:00 – 09:45 | **KEYNOTE SPEECH 2**: What’s Next for Visual Analytics *Dr. Kris Cook, Pacific Northwest National Laboratory (USA)* |
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|  | **Session 9: Information Warfare and Social Media** Chair: *Dr. Carsten Winkelholz (DEU)* |
| 09:45 – 10:05 | 08 Security Perspectives on Social Media Exploitation *Dr. Valentina DRAGOS, ONERA (FRA)* |
| 10:05 – 10:25 | 09 Propaganda Filters; Tracking Malign Foreign Intervention on social Media in Real Time, *Dr. Bruce FORRESTER, DRDC-ValCartier (CAN)* |
| 10:25 – 10:55 | **Coffee Break** |
| 10:55 – 11:15 | 10 People, Bots or Cyborgs? Analysis of a Hashtag war *Dr. Rebecca Crosby, ONR (USA)* |
| 11:15 - 11:35 | 11 Towards *Big* Data in the Tactical Domain *Dr. Frank-Trethan JOHNSEN, FFI (NOR)* |
| 11:35– 11:55 | 12 *Assessment* of IoT Data Ingest Reliability for Urban Environments *Dr. James MICHAELIS, U.S. Army Research Laboratory (USA)* |
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|  | **Session 10: Visual Analytics and Visualization** Chair**:** TBC |
| 11:55 – 12:15 | 13 *Storytelling* Exploratory Visual Analytics for Counter-Improvised Explosive Device Incident *Ms. Valerie LAVIGNE, DRDC-ValCartier (CAN)* |
| 12:15 – 12:35 | 14 A Preliminary Experimentation for Meteorological Data Visual Analytics *Dr. Francesca Maria PISANO, CIRA (ITA)* |
| 12:35 – 12:50 | 15 Genomic Data Analysis for Infectious Diseases *Dr. Margaret VARGA, University of Oxford (GBR)* |
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| 12:50 – 14:05 | **LUNCH** |
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| 14:05 – 15:00 | **Session 11 - Breakout Discussion** |
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| 15:00 – 15:30 | **Coffee Break** |
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| 15:30 – 16:20 | **Session 12 - Breakout Groups’ Presentations** |
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| 16:20 - 16:30 | **Workshop closing** |