

DAY 1: ICT research — Monday 19 March 2018

9.30-10.00	Registration, coffee and tea — THEATERFOYER —					
10:00-10:05	<i>Chair of the day: Anna Villanova — Welcome by: Paola Grosso and Milan Petkovic</i> (Chairs of ICT.OPEN committee) — THEATERZAAL —					
10:05-10:50	Algorithms do not fall from Heaven: Holger Hermanns — Saarland University					
10:50-11:00	<i>Opening poster session by Arian Steenbruggen</i> — Director NWO Domain Science					
11:00-11:30	Coffee break					
ROOM	PANORAMA LOUNGE	FOYER 2 ND BALCONY	FOYER 1 ST BALCONY	THEATERZAAL	ROOM 1	ROOM 2
Start parallel tracks 11.30-13.00	<p><i>Systems Engineering</i> Bedir Tekinerdogan</p> <p>11:30-12:15 <i>Invited Talk</i> Imre Horváth (Delft University of Technology) Shifting paradigm of cyber-physical systems</p> <p>12:15-12:30 Tim Broenink and Jan Broenink (University of Twente) A variable-detail model methodology for engineering of cyber-physical systems</p> <p>12:30-12:45 Christopher Mountain, Marta Kluba & Ronald Dekker (The University of Sheffield, England) Developing a novel method of alignment to buried cavities in C-SOI wafers for the manufacture of MEMS devices</p> <p>12:45-13:00 Joost van Pinxten, Martijn Hendriks, Twan Basten, Marc Geilen, Jack Kandelaars, Eugen Schindler, Lou Somers & Patrick Vestjens (Eindhoven University of Technology) How to Design the Paper Path of a Production Printer?</p>	<p><i>Artificial Intelligence</i> Lambert Schomaker</p> <p>11:30-12:15 <i>Invited talk</i> Sander Bohté (Center for Mathematics and Computer Science) Efficient Artificial Spiking Neural Networks</p> <p>12:15-12:30 Anca Dumitrache, Lora Aroyo & Chris Welty (Vrije Universiteit Amsterdam) False Positive and Cross-relation Signals in Distant Supervision Data</p> <p>12:30-12:45 Lise Stork, Katherine Wolstencroft, Andreas Weber, Fons Verbeek & Aske Plaat (Leiden University) Priming Digitisation: Learning the Textual Structure in Field Books</p> <p>12:45-13:00 Xander Wilcke, Peter Bloem & Victor de Boer (Vrije Universiteit Amsterdam) The Knowledge Graph for End-to-End Learning on Heterogeneous Knowledge</p>	<p><i>Autonomous systems</i> Jan Broenink</p> <p>11:30-12:15 <i>Invited Talk</i> Mohsen Alirezaei (TNO) Control of autonomous vehicle within limits of handling and beyond stable limits of handling (Drifting)</p> <p>12:15-12:30 Ann-Christin Köllner, Joachim N. Burghartz & Zili Yu (University of Stuttgart) System concept of a Germanium-on-Silicon Night Vision Camera for Autonomous Driving</p> <p>12:30-12:45 Mathijs de Weerd (Delft University of Technology) Intention-Aware Routing of Electric Vehicles</p> <p>12:45-13:00 Ameneh Deljoo, Tom van Engers, Leon Gommans & Cees de Laat (University of Amsterdam) A Normative Agent-based Model for Sharing Data in Secure Trustworthy Digital Market Places</p>	<p><i>Joined track by ASCI, IPA, SIKS</i> Michel Westenberg (ASCI), Anton Wijs (IPA), Menno van Zaanen (SIKS)</p> <p>11:30-12:00 <i>Invited Talk</i> Alex Telea (University of Groningen) Visual Analytics for Opening the Black Box of Machine Learning</p> <p>12:00-12:40 Visualisation (ASCI/SIKS) — Bram C.M. Cappers & Jarke J. van Wijk (Eventpad: Rapid Event Mining with Visual Analytics) — Zhenyang Li, Ran Tao, Efstratios Gavves, Cees Snoek & Arnold Smeulders (Tracking by Natural Language Specification) — Pascal Mettes & Cees Snoek (Spatial-Aware Object Embeddings for Zero-Shot Localization and Classification of Actions) — Ronald Siebes, Seyran Khademi, Tino Mager, Carola Hein, Victor de Boer & Jan van Gemert (Creating a Historical Street View of the Past from historical images)</p> <p>12:40-13:00 (SIKS) — Tobias Kuhn (Reliable Granular References to Changing Linked Data) — Cristina-Iulia Bucur (Linkflows: enabling a web of linked semantic publishing workflows)</p>	<p><i>Software Engineering (VERSEN)</i> Marieke Huisman / Mark van den Brand</p> <p>11:30-12:15: <i>Invited talk</i> Lionel Briand (University of Luxembourg) Automated Vulnerability Testing Using Machine Learning and Search Metaheuristics</p> <p>12:15-12:35: Joost Bosman (ING) Towards Financial Eco Systems: Science, Engineering, Economics</p> <p>12:35-12:55 <i>Invited Talk</i> Otávio Fernandes & Eimar Fandino (Schuberg Philis) Streaming for Realtime Banking</p> <p>12:55-13:00 <i>From the VERSEN chair</i> Marieke Huisman</p>	<p><i>Skills session:</i> <i>How to valorize your ict research</i> Dick Koster</p> <p>11.30 Vincent van den Brekel, Stokhos</p> <p>12.00 Rogier de Haan, novelt.com</p> <p>12.30 Dick Koster, Netherlands Organisation for Scientific Research (NWO)</p>
13:00-14:30	<i>Lunch: Poster Session — Speeddates Sessions Information stands:</i> NWO, IPN and Commit2data					
14:30-16:10	<p>14:30-15:15 <i>Invited Talk</i> Wouter Leibbrandt, (TNO-ESI) Model-based systems engineering for mastering complexity in high-tech systems</p> <p>15:15-15:30 Siavash Safapourhajari & André Kokkeler (University of Twente) A Frequency Offset Tolerant BFSK demodulator for (Ultra-) Narrowband Wireless Sensor Node</p> <p>15:30-15:45 Masoud Abbasi Alaei & Andre Kokkeler (University of Twente) Hybrid Interference Cancellation in MIMO Systems</p> <p>15:45-16:00 Niklas Rother, Tobias Stuckenberg, Stephan Nolting, Christof Uhlemann & Holger Blume (Leibniz Universität Hannover) A Case Study on Multi-Softcore Aided Hardware Architectures for Powerline MAC-Layer</p> <p>16:00-16:10 <i>Summary and Closing</i></p>	<p>14:30-15:15 Patrick Putzky (University of Amsterdam) Recurrent Inference Machines for Solving Inverse Problems</p> <p>15:15-15:30 M. Kliess & M. Birna van Riemsdijk (Delft University of Technology) Defining Coherence in the Context of Supportive Technology</p> <p>15:30-15:45 Eoin Martino Grua (Vrije Universiteit van Amsterdam) Self-adapting Intelligent e-Health Apps</p> <p>15:45-16:00 Pornntiwa Pawara, Emmanuel Okafor, Lambert Schomaker & Marco Wiering (University of Groningen) Data Augmentation for Plant Classification</p> <p>16:00-16:10 <i>Closing</i></p>	<p>14:30-15:15 <i>Invited Talk</i> Gijs Dubbelman (Eindhoven University of Technology) Towards Fully-automated Driving: Challenges and Potential Solutions</p> <p>15:15-15:30 Freek van Den Berg, Boudewijn Haverkort, Bedir Tekinerdogan & Vahid Garousi (University of Twente) Designing Cyber-Physical Systems with aDSL: a Domain-Specific Language and Toolchain</p> <p>15:30-15:45 Kimberly McGuire, Guido De Croon, Karl Tuyls & Bert Kappen (Delft University of Technology) Developing a Swarm of Pocket Drones for Autonomous Indoor Navigation</p> <p>15:45-16:00 Klaas Jan Russcher & Jan Broenink (University of Twente) Communication Architecture of a Robotic System-of-Systems for Emergency Services</p> <p>16:00-16:10 <i>Closing</i></p>	<p>14:30-16:00 <i>Learning & Analysis</i> (ASCI/IPA/SIKS) — Kousar Aslam, Nan Yang, Yaping Luo, Ramon Schiffelers, Alexander Serebrenik & Mark van den Brand (Model inference for software: Combining active and passive learning results) — Vincent Bloemen, Jaco van de Pol & Wil van der Aalst (Symbolically Aligning Observed and Modelled Behaviour) — Parisa Shayan & Menno van Zaanen (Predicting Student Performance from their Behavior in Learning Management Systems) — Ghayoor Abbas Gillani & A.B.J. Kokkeler (Error Resilience Analysis of Iterative Workloads) — Ahmed Musaaifir, Alexandru Uta, Tim Hegeman, Wing Lung Ngai & Alexandru Iosup (Graphalytics Global Competition) — Masoud Mazloom, Iliana Pappi & Marcel Worring (Category Specific Post Popularity Prediction) — Huan Zhou, Cees De Laat & Zhiming Zhao (CloudsStorm: An Application-driven DevOps Framework for Managing Networked Infrastructures on Federated Clouds) — Bram van der Sanden, Michel Reniers, Marc Geilen & Twan Basten (Performance Analysis and Optimization of Supervisory Controllers) — Sander de Putter & Anton Wijs (To compose, or not to compose, that is the question: an analysis of compositional state space generation) — Oana Inel & Lora Aroyo (Harnessing Diversity in Crowds and Machines for Better NER Performance)</p> <p>16:00-16:10 <i>Closing</i></p>	<p>14:30-4:45 <i>Project presentation</i> Rodin Aarssen, Jan Friso Groote, Jurgen Vinju & Omar Alzuhaiby (Eindhoven University) Reconstructing legacy software through model extraction</p> <p>14:45-15:00 <i>Project presentation</i> Eelco Visser (Delft University of Technology) A Language Designer's Workbench: Automating the Verification of Language Definitions</p> <p>15:00-15:20 <i>Research pitches</i> — Önder Babur, Loek Cleophas & Mark Van Den Brand (Model Analytics: Tackling Scalability in Modelling) — Pekka Aho, Tanja Vos, Gjalt Loots, Machiel van der Bijl & Martin Deiman (The Next Level of Test Automation, Automated Testing through Graphical User Interface) — Ivano Malavolta (Experimenting on Mobile Apps Quality - a tale about Energy, Performance, and Users' Perception) — Remco de Man & Ansgar Fehnker (Design Smells in Processing Programs) — Gururaj Maddodi & Slinger Jansen (Workload Relation to Component Architecture Using DDD Aggregates in CQRS Framework)</p> <p>15:20-15:35 <i>Project presentation</i> Marieke Huisman (University of Twente) Mercedes: Maximal Reliability of Concurrent and Distributed Software</p> <p>15:35-15:50 <i>Project presentation</i> Wishnu Prasetya, Tanja E. J. Vos, Gordon Fraser, Rui Prada & Ivan Martinez (Utrecht University) Improving Engagement of Students in Software Engineering Courses through Gamification</p> <p>15:50-16:10 <i>Research pitches</i> Wytse Oortwijn & Wolfgang Ahrendt (Combined Static and Runtime Verification of Distributed Objects) — Alejandro Serrano (Domain-Specific Type Error Diagnosis) — Vasilios Andrikopoulos (A New Approach to the Lifecycle of Cloud-based Applications) — Anna-Lena Lamprecht (Constraint-Guided Automated Workflow Composition: Applications in Bioinformatics) — Anton Wijs (GEARS: GPU Enabled Accelerated Reasoning about System designs)</p>	<p>14.30 Laurens Slats The Things Network Building a global Internet of Things network together</p> <p>15.00 Jan Hubers Eindhoven University of Technology, Innovation Lab</p> <p>15.30 Dick Koster Netherlands Organisation for Scientific Research (NWO)</p>
16:10-16:30	<i>After Lunch Dip by Schuberg Philis</i>					
16:30-17:15	Else Kooi Prize — THEATERZAAL —					
17.15-18.99	<i>Drinks</i> — THEATER FOYER —					
18.00-21.30	<i>Introduction ICT Round Table, Poster pitches, Dinner & Entertainment</i> — STADSZAAL —					