14th eScience

IEEE INTERNATIONAL CONFERENCE

29 October - 1 November 2018
Amsterdam, The Netherlands

www.eScience2018.com

Science in a digital world presents new opportunities and challenges

IEEE eScience 2018 brings together leading international researchers and offers a platform for digital technologies to advance research - from the humanities to the physical sciences.

Some academic disciplines are well advanced in exploiting digital technologies, while others are just scratching the surface. The aim of this conference is cross-fertilization across academic disciplines, to advance academic research by fully exploiting the use of digital technologies.

Program overview

MO 29 Oct:	**Workshops & Tutorials**
TU 30 Oct:	**Plenary Session & Conference Dinner**
WE 31 Oct:	**Focused Sessions & Reception & Poster Session**
TH 1 Nov:	**Plenary Session**

This year's conference venue is Mövenpick Hotel Amsterdam City Center, the Netherlands

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Program highlights

Plenary keynotes

**Melissa Terras
(University of Edinburgh)**
Arts, Humanities and Social Sciences

**Joeri van Leeuwen
(ASTRON, the Netherlands)**
Astronomy

With sessions on

Data Handling and Analytics for Health
Organized by researchers from: VU University Amsterdam, the Netherlands /// UMC, the Netherlands /// Johns Hopkins University, USA /// Federal University of Rio Grande, Brasil /// University of Exeter, UK /// Lygature, the Netherlands /// UiT The Arctic University of Norway /// eScience Center, the Netherlands

Exascale Computing for High Energy Physics
Organized by researchers from: Nikhef, the Netherlands /// CERN, Switzerland /// University of Amsterdam, the Netherlands /// CNRS / IN2P3 Computing Center, France /// eScience Center, the Netherlands

Advances in eScience for the Humanities and Social Sciences
Organized by researchers from: University of Amsterdam, the Netherlands /// UNAM, Mexico /// Stuttgart University, Germany /// University of Turku, Finland /// VU University Amsterdam, The Netherlands /// eScience Center, the Netherlands

Weather and Climate Science in the Digital Era
Organized by researchers from: ECMWF, UK /// Wageningen University, the Netherlands /// University of South California, USA /// Jacobs University, Germany /// World Meteorological Organization, Switzerland /// eScience Center, the Netherlands

General eScience
Organized by researchers from: University of Amsterdam, the Netherlands /// Barcelona Supercomputing, Spain /// eScience Center, the Netherlands

Workshops

International Workshop on Sustainable Software for Science: Practice and Experiences (WSSSPE) /// Handling uncertainties in big data /// Contemporary Peer Code Review in Scientific Software Development /// Workshop on Research Objects /// Designing Benchmarks for Measuring Automatic Algorithm Performance on Research Data /// Workshop on platform-driven e-infrastructure innovations /// Generic components of the HEP (High Energy Physics) eScience ecosystem /// eScience-FAIR Science

IEEE eScience Conference 2018

Bringing together
leading international researchers
to present and discuss
the latest digital technologies
and advance academic research

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