4 – 6 September 2019
ETH Zurich
Zurich, Switzerland
organised by the European Space Agency (ESA) and ETH Zurich

ANNOUNCEMENT / SAVE THE DATE

Calendar of Events
Abstract Submission Deadline: 31 March 2019
Notification of Acceptance: 30 April 2019
Preliminary Programme: 13 May 2019
Early Registration Deadline: 15 July 2019
Authors Registration Deadline: 15 July 2019
Oral Presenters Biography: 15 July 2019
Colloquium Dates: 4 – 6 September
Full Paper Submission Deadline: 30 September 2019
Objectives
This colloquium brings together members of the European scientific community and their international partners involved in the use of Galileo and other GNSS in their research. The various possibilities to use Galileo and other GNSS satellites for scientific purposes shall be reviewed. The Colloquium shall contribute to GNSS development in general based on scientific approaches, in particular to raise awareness of those in charge of Galileo development and operations as well as in development of recent scientific achievements in the field.

Earth Sciences
Geodesy
Geodynamics, geophysics and oceanography
Global tectonics
Reference frames
Ionosphere / space weather
Troposphere / climatology
Disaster monitoring
Gravity field
GNSS remote sensing, GNSS reflectometry

Physics
Test of General Relativity and alternative theories
Fundamental constants
Relativistic reference frames
Relativistic positioning
Astrometry, VLBI, pulsar timing
Quantum technologies for positioning, navigation and timing

Metrology
Atomic clocks for space and ground-segment
Galileo timing system
Time scales and time transfer
Inter-satellite links
Satellite Laser Ranging
Precise orbit determination
High-precision clocks in receivers

Navigation, Positioning and its Applications
Signal processing
Signal propagation aspects
Multi-constellation GNSS
Sensors, hybridization and integrated navigation for science
Precise positioning

GNSS Science Transversal
GNSS Big Data and Data archives
Internet of Things Positioning for Science
Scientific Payloads in GNSS satellites
Disruptive technologies
Cubesats, HAPS and UAVs for GNSS science
Software receivers / low-cost SDR
Autonomous Vehicles for Science
GNSS science and education