FINALISTS FOR STUDENT BEST POSTER COMPETITION

The Paper Selection Committee of the Conference selected 29 finalists, distributed in 6 groups, for the Student Best Poster Competition. A jury then chose one winner per each group during the poster session on Tuesday June 25th 15:30-17:00 in Neuchâtel.

Each finalist presented their poster in front of the jury during the poster session on Tuesday 25th. The awards of the competition were announced at the Gala Cocktail Reception on Wednesday June 26th at 20:00.

Some of the finalists also presented their results in Lecture sessions.

The finalists selected for the Student Best Paper Competition are listed below.

Winners for each group are indicated with the icon: 🏅

Resonators and Transducers

Florian Hartmann
EPFL STI IGM NEMS, Switzerland
Improvement of Spurious Modes Suppression for YBAR Resonators Using Piston Mode Design
View Abstract

Einstein Huayanay
FEMTO-ST, France
Experimental Overtone Modulation by Adding External Frequency in the Oscillating Loop of Laterally Coupled hbar
View Abstract

Silvan Stettler
EPFL, Switzerland
A Suspended Lithium Niobate Resonator with Buried Electrodes at 3.3 GHz
View Abstract

Teng Zhang
University of Cambridge, UK
Electrode Optimization for Multi-Channel Piezoelectric Micromachined Ultrasonic Transducers
View Abstract

Daniel Moreno-Garcia 🏅
EPFL, Switzerland
Method to Differentiate Flexoelectricity from Piezoelectricity
View Abstract

Oscillators And Noise

Luke Dummott
University of York, UK
Ultra-Low Phase Noise 100 MHz Crystal Oscillator
View Abstract

StJohn Gilbert
University of York, UK
Ultra Low Phase Noise 16GHz Oscillator Using a Distributed Bragg Resonator
View Abstract

Ya Wang
Beijing University of Posts and Telecommunications, China
GHz Laser Generated Through Harmonic Mode-Locking
View Abstract

Philippe de Visme
FEMTO-ST, France
Evaluation of an Affordable Open Source Phase Noise Analyzer
View Abstract

Alexander Kozlov
Russian Metrological Institute of Technical Physics and Radio Engineering, Russia
Rin Effect on Phase Noise Spectra of Lasers in Heterodyne Measurements
View Abstract

Time and Frequency Transfer

Sébastien Fernandez
SYRTE – Observatoire de Paris, France
Free space optical link to a tethered balloon for frequency transfer and chronometric geodesy
View Abstract

Michael Plumaris
Sapienza University of Rome, Italy
Passive TWSTFT for UTC(k) dissemination
View Abstract

T. M. Triano
NIST/CU Boulder, US
Reducing the SWaP of comb-based optical time transfer
View Abstract

Hamish McPhee
TéSA, France
Managing noisy and missing measurements in time scale generation for a swarm of nanosatellites
View Abstract

Jingxian Ji
PTB, Germany
A plug-and-play solution for optical frequency comparisons over free-space
View Abstract

Compact Clocks and Precision Spectroscopy

Dou Li
University of Chinese Academy of Science, China

Maser-Like Performance two-Photon Rb Optical Frequency Standard with a mm Size Vapor Cell
View Abstract

Roman Blum
CSEM SA, Université de Neuchâtel, Switzerland
Light Shift Mitigation in a Rubidium two-Photon Optical Frequency Standard Using a 1556.2 nm Wavelength Beam
View Abstract

Adam Linek
Nicolaus Copernicus University, Poland
AEgIS: Perspectives Opened by Positronium Laser Cooling on Precision Spectroscopy
View Abstract

Carlos Rivera-Aguilar
FEMTO-ST, France
A Ramsey-CPT microcell Atomic Clock Using Laser Current Pulsed Modulation
View Abstract

Shengnan Miao
Tsinghua University, China
Precision determination of the ground-State Hyperfine Splitting in a 113Cd+ Microwave Frequency Standard
View Abstract

Lattice & Ion clocks

Biao Wang
Huazhong University of Science and Technology, China
Stability Improvement of an Aluminium Ion Optical Clock
View Abstract

Daniel Rodriguez Castillo
NIST, Boulder, US
A New Generation 27Al+ Optical Clock
View Abstract

Clara Zyskind
LNE-SYRTE, Observatoire de Paris-PSL, CNRS, Sorbonne Université, France
First Observation of the bosonic 198Hg Clock Transition in an Optical Lattice Clock
View Abstract

Filip Butuc-Mayer
National Physical Laboratory, UK
Optimised Atomic Interrogation for Reduced Instability in Optical Clocks
View Abstract

Joshua Klose
PTB, Germany
Towards Controlling the Blackbody Radiation Shift in a Strontium Lattice Clock at the 10e−19 Level
View Abstract

Combs & Laser stabilisation

Mona Kempkes
PTB, Germany
Testing Novel high-Reflectivity Mirror Technologies from room-Temperature to 4 K
View Abstract

Furkan Ayhan
EPFL, Switzerland
Astronomical Spectrograph Calibration with UV astrocombs
View Abstract

Mingfei Qu
Innovation academy for precision measurement science and technology, China
Direct Soliton Comb Generation in MgF2 microresonator with an Ultrahigh Quality Factor of 10 Billion at ~mW Level
View Abstract

Irene Barbeito Edreira
University of Southampton, UK
Thermally-Insensitive Hollow-Core Fibre Fabry-Perot Interferometer for Laser Stabilisation
View Abstract