



ACADEMIE ROYALE DES SCIENCES,  
DES LETTRES ET DES BEAUX-ARTS  
DE BELGIQUE



KONINKLIJKE VLAAMSE ACADEMIE  
VAN BELGIË VOOR WETENSCHAPPEN  
EN KUNSTEN

Organised by  
National Committee for Pure and  
Applied Physics  
<https://sites.google.com/site/physbel>

April 20, 2024 / 09h30-17h15

Universitaire Stichting - Fondation Universitaire  
Rue d'Egmont 11 Egmontstraat - Brussels

# The Nature of Time in Physics

## PROGRAMME

09.30 **Welcome**

09.45 **Stefan VANDOREN** (Universiteit Utrecht, NL)

The Nature of Time in Physics

10.45 **Francesca CALEGARI** (DESY and Universität Hamburg, Germany)

Ultrashort Time Pulses

11.45 **Yun YE** (University of Colorado, Boulder, USA)

Optical Clocks and Frequency Combs

12.45 **POSTER SESSION** by the Belgian research institutions and **Lunch**

14.15 **Patrizia TAVELLA** (Bureau International des Poids et Mesures, FR)

The Redefinition of the Second and the BIPM roadmap

15.15 **Christophe SALOMON** (Ecole Normale Supérieure, Paris, FR)

Testing Fundamental Physics with Atomic Clocks

16.15 **Pascale DEFRAIGNE** (Royal Observatory of Belgium)

Conclusions

16.45 **Reception**