

# 2024 EFTS Week Schedule – Preliminary

Time	Mon, July 1	Tue, July 2	Wed, July 3	Thu, July 4	Fri, July 5	Colors
8:15	7:30–8:30 Registration	Coffee	Coffee	Coffee	Coffee	Logistics & events Lectures Labs / computer Welcome & Closing
8:30 – 9:20	8:30 Introduction to TF Y. Le Coq SYRTE & FIRST-TF	Relativity Frédéric Meynadier BIPM, Int'l	Navigation & GNSS TBD	Synchronization over Digital Networks K.Teichel, PTB, DE	8:30–11:30 Laboratory	<b>Contents By color</b> <div style="background-color: #ffe4c4; padding: 5px; margin-bottom: 5px;"> <b>Chapter 1</b>                      General &amp; Applications                      Enrico Rubiola                 </div> <div style="background-color: #c8e6c9; padding: 5px; margin-bottom: 5px;"> <b>Chapter 2</b>                      Meas &amp; Oscillators                      Enrico Rubiola                 </div> <div style="background-color: #bbdefb; padding: 5px; margin-bottom: 5px;"> <b>Chapter 3</b>                      Atomic Clocks                      Gaetano Mileti                 </div> <div style="background-color: #bdbdbd; padding: 5px; margin-bottom: 5px;"> <b>Chapter 4</b>                      Timing &amp; Transfer                      Francois Vernotte                 </div> <div style="background-color: #fff9c4; padding: 5px; margin-bottom: 5px;"> <b>Laboratories</b>                      Y.Gruson, J.M.Friedt,                      E.Rubiola                 </div>
9:20 – 10:10	Introduction to Oscillators E. Rubiola, FEMTO, FR	Intro Atomic Clocks G. Mileti, LTF, CH	FS Combs J. Kronjäger, PTB, DE	Small Clocks C. Affolderbach, LTF, CH	3. SDR, GPS & PRN (9:30-11:30) 4. GPS RX & RINEX 5. Atomic clock 6. Resonators	
10:10 – 10:40	Coffee & cookies	Coffee & cookies	Coffee & cookies	Coffee & cookies		
10:40 – 11:30	Phase Noise E. Rubiola, FEMTO, FR	Stabilized Lasers C. Lacroûte, FEMTO	Satellite Synch TBD	Optical Clocks TBD		
11:30 – 12:20	Variances F. Vernotte, FEMTO, FR	Invited #1 Free-space links TBD	Cold Atoms C. Lacroûte, FEMTO	Invited #2 Attosecond pulses TBD	11:30 Quick coffee 11:45-12:30 Historical Perspective F. Vernotte, FEMTO	
12:20 – 13:50	Lunch	Lunch	Lunch	Lunch	12:30–12:45 Closing 12:45–14:15 Lunch	
13:50 – 14:40	Controls TBD	Atomic Clock Physics G. Mileti, LTF, CH	Optical fiber links J. Kronjäger, PTB, DE	Clock Synchronization Security K.Teichel, PTB, DE		
14:40 – 15:30	Quartz Oscillators Henry Halang Axtal, DE	Atomic Time Scales Frédéric Meynadier BIPM, Int'l	Coffee	Coffee	14:15–16:15 Visit, Observatory or FEMTO-ST	
15:30 – 16:00	Coffee	Coffee	15:10–17:10 Laboratory 1, 3 & 4 (Noise, SDR, RINEX)	15:00–18:00 Laboratory 3. SDR, GPS & PRN 5. Atomic clock 6. Resonators		
16:00 – 18:00	Laboratory 1. PM/AM noise, 2. Data Analysis	Laboratory 1. PM/AM noise, 2. Data Analysis			You are free	
18:00 – 19	Posters, beer and chips at the TF Department (ethanol-free drinks too)	(free time)	Visit at the Museum of Time, and Drink	Go to the pier	Lecture auditorium Jules Haag	
19 – 20						
20 – 21:30	Dinner on your own	Dinner on your own	Dinner on your own	Social Dinner Boat on the river 19:30 (boat leaves at 19:45)		
21:20 – 24	Backup for the Astronomy session, depending on weather	Astronomy depending on weather	Last chance for the Astronomy session, depending on weather			

Updated  
December 8, 2023