

2022 EFTS Week Schedule

Time	Mon, July 4	Tue, July 5	Wed, July 6	Thu, July 7	Fri, July 8	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 Welcome and Introduction to TF Y. Le Coq, SYRTE & FIRST-TF	Relativity G. Petit, BIPM, Int'l	Navigation and GNSS A. Bauch, PTB, DE	Synchronization over Digital Networks K. Teichel, PTB, DE	8:30–11:30 Laboratory 3. SDR, GPS & PRN 5. Atomic clock 6. Resonators	Contents By color Chapter 1 General and Applications Enrico Rubiola Chapter 2 Meas & Oscillators Enrico Rubiola Chapter 3 Atomic Clocks Gaetano Mileti Chapter 4 Timing & Transfer Francois Vernotte Laboratories Y.Gruson, J.M.Friedt, E.Rubiola
9:20 – 10:10	Introduction to Oscillators E. Rubiola, FEMTO, FR	Intro Atomic Clocks G. Mileti, LTF, CH	FS Combs J.Kronjaeger, PTB, DE	Scient.appl.of fiber links Cecilia Clivati, INRiM, IT		
10:10 – 10:40	Coffee & cookies	Coffee & cookies	Coffee & cookies	Coffee & cookies		
10:40 – 11:30	Phase Noise E. Rubiola, FEMTO, FR	Atomic Time Scales G. Petit, BIPM, Int'l	Satellite Synch A. Bauch, PTB, DE	Optical Clocks J. Lodewyck, SYRTE, FR	11:30 Quick coffee 11:45-12:30 Historical Perspective F.Vernotte, FEMTO 12:30–12:45 Closing 12:45–14:15 Lunch 14:15–16:15 Visit, Observatory or FEMTO-ST	Red: online lectures
11:30 – 12:20	Variances F. Vernotte, FEMTO, FR	Atomic Clock Physics G. Mileti, LTF, CH	Optical fiber links J.Kronjaeger, PTB, DE	Applications of TF in Fundamental Physics P. Delva, SYRTE, FR		
12:20 – 13:50	Lunch	Lunch	Lunch	Lunch	You are free	Last update July 7, 2022 Changes may be necessary
13:50 – 14:40	Controls Frederic Du Burck, LPL, FR	Stabilized Lasers C.Lacroute, FEMTO	Cold Atoms C. Lacroute, FEMTO	Clock Synchronization Security K. Teichel, PTB, DE		
14:40 – 15:30	Quartz Oscillators Bernd Neubig, Axtal, DE	Small Clocks G. Mileti, LTF, CH	Coffee	Coffee	Lecture rooms Thu AM: P. Mesnage Otherwise: Jules Haag	
15:30 – 16:00	Coffee	Coffee	15:10–17:10 Laboratory 3. SDR, GPS & PRN 4. GPS RX, 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	17:10 Go downtown			
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	(free time)		
19 – 20				Go to the pier		
20 – 21:30	Dinner on your own	Dinner on your own	Dinner on your own	Social Dinner Boat on the river 19:30 (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			