

## 2019 EFTS Week Schedule

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
8:30 – 9:20	8:30 Welcome and Introduction to TF Y. Le Coq	IT & security K.Teichel, PTB (D)	Cold Atoms C.Lacroute, FEMTO	Small Clocks Ch.Affolderbach,	8:30–11:30 Lab 5	Labs / computer Welcome & Closing
9:20 – 10:10	Oscillators Primer J.P. Aubry (F/CH)	Relativity G.Petit, BIPM (Int'l)	Navig / GNSS P.Defraigne, ROB (B)	The New SI T. Quinn		Contents By color
10:10 – 10:40	Coffee & cookies	Coffee & cookies	Coffee & cookies	Coffee & cookies		Chapter 1 General and Applications E. Rubiola
10:40 – 11:30	Phase Noise E.Rubiola, FEMTO	Intro Atomic Clocks G.Mileti, LTF (CH)	FS Combs G. Santarelli, IO (F)	Optical Clocks J.Lodewyck, SYRTE (F)		Resonators / GPS-RX / Rinex
11:30 – 12:20	Variances F.Vernotte, FEMTO	Time Scales G.Petit, BIPM (Int'l)	Satellite Synch P.Defraigne, ROB (B)	Nuclear Clocks E. Peik PTB (D)	11:30 Quick coffee	Chapter 2 Meas & Oscillators E. Rubiola
					11:45-12:30 Historical Perspective F.Vernotte, OB (F)	
12:20 – 13:50	Lunch	Lunch	Lunch	Lunch	12:30–12:45 Closing	Chapter 3 Atomic Clocks G. Mileti
					12:45–14:15 Lunch	
13:50 – 14:40	Controls G.Cabodevila, FEMTO	Atomic Clock Phys G.Mileti, LTF (CH)	Sync over Fibers G. Santarelli, IO (F)	White Rabbit M.Lipinski CERN (Int'l)	14:15–16:00 Visit at FEMTO-ST	Chapter 4 Timing & Transfer F. Vernotte
14:40 – 15:30	Quartz Oscillators J.P. Aubry (F/CH)	Stabilized Lasers C.Lacroute, FEMTO	Coffee	Coffee		
15:30 – 16:00	Coffee	Coffee	15:10–17:10 Lab 3 GPS, PRN, RINEX	15:00–18:00 Lab 4 Atoms Resonators/PRN/GPS		
16:00 – 18:00	Lab 1 PM/AM noise, Data Analysis	Lab 1 PM/AM noise, Data Analysis	17:10 Go downtown		You are free	Laboratories Y. Gruson & E. Rubiola
18:00 – 19	Visit at the Observatory	Backup for the Observatory visit. Depends on weather for the Astronomy session	Visit at the Museum of Time, and Drink	Go downtown	Last update May 3, 2019	
19 – 20						
20 – 21:30				Dinner on your own		Dinner on your own
21:20 – 24	Backup for the Astronomy session, depending on weather	Astronomy	Last chance for the Astronomy session, depending on weather			

## 2019 EFTS Laboratories

Group	Lab 1, Mon 1 16:00–18:00		Lab 2, Tue 2 16:00–18:00		Lab 3, Wed 3 15:10 – 17:10		Lab 4, Thu 4 15:00 – 18:00			Lab 5, Fri 5 8:30 – 11:30			
	16–17	17–18	16–17	17–18	15:10–16:10	16:10–17:10	15–16	16–17	17–18	8:30–9:30	9:30-10:30	10:30–11:30	
<b>Ar</b>	Spectra Y.Gruson, J. Millo, N. Cholley, E.Rubiola  <span style="color: red;">Transfert 1</span>		Data Analysis F. Vernotte  <span style="color: red;">Computers 1.32.32</span>		PRN, GPS Signal JM.Friedt  <span style="color: red;">Computers 1.32.32</span>		Atoms C.Lacroute + M. Delehaye <span style="color: red;">Transfert 2</span>  Small Cs clock, 12 people in 4 groups of 3			Resonator S.Galliou <span style="color: red;">Transfert 1</span>	GPS RX F.Meyer, E.Meyer N.Gautherot <span style="color: red;">P-019 "Design"</span>		
<b>Be</b>										Resonator Giordano <span style="color: red;">Transfert 1</span>			
<b>Cs</b>	Data Analysis F. Vernotte  <span style="color: red;">Computers 1.32.32</span>		Spectra Y.Gruson, J. Millo, N. Cholley, E.Rubiola  <span style="color: red;">Transfert 1</span>		GPS RX F.Meyer, E.Meyer N.Gautherot  <span style="color: red;">P-019 "Design"</span>		Resonator S.Galliou <span style="color: red;">Transfert 1</span>	PRN, GPS Signal JM.Friedt  <span style="color: red;">Computers 1.32.32</span>			Atoms C.Lacroute + M. Delehaye <span style="color: red;">Transfert 2</span>  Small Cs clock, 12 people in 4 groups of 3		
<b>Dy</b>							Resonator Giordano <span style="color: red;">Transfert 1</span>						
<b>Er</b>	Data Analysis F. Vernotte <span style="color: red;">Computers 1.32.32</span>		free		Spectra Y.Gruson, J. Millo, N. Cholley, E.Rubiola  <span style="color: red;">Transfert 1</span>		free	free	free	PRN, GPS Signal JM.Friedt  <span style="color: red;">Computers 1.32.32</span>		free	
<b>F</b>	free		Data Analysis F. Vernotte <span style="color: red;">Computers 1.32.32</span>				free	free	free			free	

Groups						
	Regular groups				Additional groups (fewer labs)	
	Argon	Beryllium	Cesium	Dysprosium	Erbium	Fluorine
1						
2						
3						
4						
5						
6						