Physical Limnology 2022
Workshop – Block Course

In 2022, on video only.
The link will be communicated to the enrolled participants closer to the date.

Schedule of lectures: 28th March – 5th April 2022

Start time	**Mon 28th**	**Tue 29th**	**Wed 30th**	**Thu 31st**	**Fri 1st**	**Mon 4th**	**Tue 5th**
9:00- 10:30	**B01+02**	**L1**	**B06+07**	**B08**	**T2**	**B11+12**	**L4**
11:00-12:30	**B03**	**B04+05**	**L2**	**T1**	**B09+10**	**L3**	**B13+14**
afternoon	Ex-B	Ex-B	Ex-B	Ex-B	Ex-B	Ex-B	--
		Ex-L		**Ex-T**		**Ex-L**	

B Dr. Bertram Boehrer (Helmholtz Centre for Environ. Res. – UFZ, Magdeburg)
L Prof. Andreas Lorke (Univ. Koblenz-Landau, Landau)
T Prof. Marco Toffolon (Univ. Trento, Italy)
Ex exercise sheet to solve

B01 - Stratification and circulation
B02 - Navier Stokes – eq.
B03 – Solutes, solubility
B04 – electrical conductivity, salinity
B05 – density
B06 - stability
B07 – surface waves
B08 – interfacial waves, seiche
B09 – internal waves
B10 – modal decomposition
B11 – Properties of internal waves
B12 – Ray Waves
B13 - Permanent stratification, meromixis
B14 - Climate sensitivity
L1 - Turbulence I: Introduction to turbulence
L2 - Turbulence II: Spectral characteristics and measurements
L3 - Turbulence III: Momentum and mass transport in turbulent boundary layers
L4 - Turbulence IV: Living in turbulence: biological – physical interactions
T1 – models of steady currents in lakes
T2 - introduction to sediment transport

Further Information:
http://www.ufz.de/index.php?de=18470
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