22 JUNE 2018

from 9:30 Coffee

10:15-11:30: JOHANNES LENHARD (BIELEFELD)
The Tumultous 1890s: Anti-Mathematicians and the Mathematization of Engineering

11:30-11:45 Coffee

11:45-13:00: SCOTT WALTER (NANTES)
Van der Pol and the Van der Pol Equation

13:00-14:30 Lunch

14:30-15:45: TIM RÄZ (BERN)
Euler’s Königsberg: The Explanatory Power of Mathematics

16:15-17:30: TINNE HOFF KJELDSEN (COPENHAGEN) and ANDREA LOETTGES (BERN)
Nicholas Rashesky and Alfred Lotka: Different modelling strategies in the beginning of mathematical biology in the early 20th century

17:30-18:45: MICHAEL FRIEDMAN (BERLIN)
On “folded” curves and folded surfaces: (attempts of) visualisation of the Weierstraß function

23 JUNE 2018

08:45-10:00: TILMAN SAUER (MAINZ)
How to Interpret Non-Riemannian Geometry

10:00-10:30 Coffee

10:30-11:45: MARTA JORDI TALTAVULL (MAINZ)
From a physical model to a mathematical tool: the resonance model in optics from ether theories to quantum mechanics

11:45-13:00: ARIANNA BORELLI (BERLIN)
The Born-Wiener paper on quantum theory (1926): operators between physics, mathematics and electrical engineering

13:00: Lunch

ORGANIZER
Tilman Sauer

VENUE
Johannes Gutenberg University Mainz
Institute of Mathematics
Staudinger Weg 9, 55099 Mainz
Hilbertraum (05-432)

FURTHER INFORMATION
https://www.geschichte.mathematik.uni-mainz.de/workshop-mathematization/