Workshop
"Libraries of Digital Math"

July 29 - August 2, 2024

organized by
Kevin Buzzard, Jacques Carette, Valeria de Paiva, Michael Kohlhase, Josef Urban

Time measurement: CEST

- **Monday, July 29**

08:30 - 09:00	*Arrival and Self-Registration*
09:00 - 09:40	**Assia Mahboubi** *Trocq: proof transfer in type theory, beyond univalence and type equivalence*
09:40 - 10:10	**Frédéric Blanqui** *Translating HOL-Light proofs to Coq*
10:10 - 10:40	*Coffee break*
10:40 - 11:20	**Fabian Huch** *Math Libraries in ITPs*
11:20 - 12:00	
12:00 - 13:30	*Lunch break*
13:30 - 14:30	**Who am I** *All participants present their research/workshop interests in 2 min*
14:30 - 16:00	**Workgroup 1**
16:00 - 16:30	*Coffee break*
16:30 - 18:00	**Workgroup 2**
from 18:00 on	*Get-Together*

- **Tuesday, July 30**

09:00 - 09:40	**Luis Berlioz** *Text mining the arXiv with LLMs*
09:40 - 10:20	**Aarne Ranta** *Generating NL Lexica for Math Libraries*
10:20 - 10:50	*Group Photo and Coffee break*
10:50 - 11:30	**Mauricio Ayala-Rincón** *Formalization of nominal equational reasoning in PVS - nominal unification*
11:30 - 12:10	
12:10 - 14:00	*Lunch break*
14:00 - 16:00	**Workgroup 1**
16:00 - 16:30	*Coffee break*
16:30 - 18:30	**Workgroup 2**

- **Wednesday, July 31**

09:00 - 09:40	**Ilka Agricola** *A view from the IMU Committee on Electronic Information and Communication*
09:40 - 10:20	
10:20 - 10:50	*Coffee break*
10:50 - 11:30	
11:30 - 12:10	
12:10 - 14:00	*Lunch break*
14:00 - 16:00	**Workgroup 1**
16:00 - 16:30	*Coffee break*
16:30 - 18:30	**Workgroup 2**

- **Thursday, August 1**

09:00 - 09:40	
09:40 - 10:20	
10:20 - 10:50	*Coffee break*
10:50 - 11:30	
11:30 - 12:10	
12:10 - 14:00	*Lunch break*
14:00 - 16:00	**Workgroup 1**
16:00 - 16:30	*Coffee break*
16:30 - 18:30	**Workgroup 2**

- **Friday, Augut 2**

09:00 - 09:40	
09:40 - 10:20	
10:20 - 10:50	*Coffee break*
10:50 - 11:30	
11:30 - 12:10	
12:10 - 14:00	*Lunch break*
14:00 - 16:00	**Workgroup 1**
16:00 - 16:30	*Coffee break*
16:30 - 18:30	**Workgroup 2**