

# YTM 2024 UNI-MÜNSTER



## MONDAY

∇ 10:00	REGISTRATION / COFFEE	
∇ 10:30	OPENING	
∇ 11:00 TO 12:00	ISHAN LEVY TALK 1	
∇ 12:05 TO 12:35	JORDI DAURA SERRANO If it swims like a torus and quacks like a torus, then is it a torus?	SOFÍA MARLASCA APARICIO Ultrasolid homotopical algebra
LUNCH BREAK		
∇ 14:00 TO 14:30	VALENTINA BAIS Spin structures on Pseudo-Riemannian cobordism	TONY MBAMBU KAKONA On the path integral representation of analytic torsion
∇ 14:35 TO 15:05	HELGE FRERICHS Scalar curvature deformations with non- compact boundaries	SHAI KEIDAR Higher Galois Theory
COFFEE		
∇ 15:35 TO 16:05	RIYA DOGRA Molecular Braids	MAX BLANS On the chain rule in Goodwillie calculus
∇ 16:10 TO 16:40	ARTURO ESPINOSA Sequential topological complexity of aspherical spaces and sectional categories of subgroup inclusions	KAIF HILMAN Parametrised Functor Calculus and a universal property of Mackey Functors



# YTM 2024 UNI-MÜNSTER



## TUESDAY

∨ 10:00  
11:00

**ARUNIMA RAY**  
TALK 1

COFFEE

∨ 11:30  
TO 12:00

**ANUSHREE DAS**  
Volume growth on  
manifolds with multiple  
ends

**NAJWA HADDAR**  
Topological localizations and  
applications to K-theory

∨ 12:05  
TO 12:35

**FADI MEZHER**  
Residual finiteness of  
some automorphism  
groups of manifolds

**VICTOR SAUNIER**  
Trace methods for stable  
categories

LUNCH BREAK

∨ 14:00  
TO 14:30

**PRIYANKA MAGAR**  
Concordance structures  
of sets of 8, 9, 10  
dimensional manifolds

**BRANKO JURAN**  
The algebraic K-theory of  
algebraic tori via equivariant  
homotopy theory

∨ 14:35  
TO 15:05

**IOANNIS GKENERALIS**  
Topological rigidity of  
quoric manifolds

**NINGCHUAN ZHENG**  
Equivariant algebraic K-  
theory and Artin L-functions

COFFEE

∨ 15:35  
TO 16:05

**ANTOINE COMMARET**  
Persistent intrinsic  
volumes

**VALENTINA ZAPATA  
CASTRO**  
Monoidal (infty, n)-categories

∨ 16:10  
TO 16:40

**ANNA SCHENFISCH**  
Verbose persistence and  
caterpillar metrics

**SVEN VAN NIGTEVECHT**  
A synthetic version of  
topological modular forms

∨ 17:00  
TO 19:00

**POSTER SESSION**  
with finger food!



# YTM 2024 UNI-MÜNSTER



## WEDNESDAY

∨ 10:00  
TO 11:00

**ISHAN LEVY**  
TALK 2

COFFEE

∨ 11:30  
TO 12:00

**KAELYN WILLINGHAM**  
The spectral properties of  
the algebraic path  
problem

**LONGKE TANG**  
The  $P^1$ -motivic Gysin  
map

∨ 12:05  
TO 12:35

**ARTURO ESPINOSA**  
An analogue of manifold  
calculus for multi-  
persistence modules

**ZACHARY GARDNER**  
Moduli of truncated  
prismatic  $(G, \mu)$ -  
displays

∨ 12:35  
TO 14:00

GENDER MINORITY LUNCH

## FREE AFTERNOON

ask an Organizer about our activity options ~



# YTM 2024 UNI-MÜNSTER



## THURSDAY

<p>∨ 10:00 11:00</p>	<p><b>ARUNIMA RAY</b> TALK 2</p>	
<p>COFFEE</p>		
<p>∨ 11:30 TO 12:00</p>	<p><b>SOUKAINA LAMSIFER</b> An improvement of the lower bound for the number of link colourings by quandles</p>	<p><b>FLORIAN SCHWARTZ</b> Differential bundles in tangent (infinity) categories</p>
<p>∨ 12:05 TO 12:35</p>	<p><b>MONIKA</b> On a generalization of the Jones polynomial and the Khovanov Homology for Legendrian knots</p>	<p><b>EMMA BRINK</b> Equivariant bordism and Thom spectra</p>
<p>LUNCH BREAK</p>		
<p>∨ 14:00 TO 14:30</p>	<p><b>TUOMAS KELOMÄKI</b> Discrete Morse theory for additive categories and Khovanov homology</p>	<p><b>ALICE ROLF</b> Endomorphisms and Automorphisms of the Framed Little Disk operad</p>
<p>∨ 14:35 TO 15:05</p>	<p><b>JESSE COHEN</b> Bordered Floer theory, Hoschild homology, and links in <math>S^1 \times S^2</math></p>	<p><b>KURT STOECKL</b> Segal Infinity Props</p>
<p>COFFEE</p>		
<p>∨ 15:35 TO 16:05</p>	<p><b>MUHAMMED E. GUELEN</b> Reeb flows on 3-manifolds: The two or infinity conjecture</p>	<p><b>MARCO VOLPE</b> Traces of dualizable categories and functoriality of the Becker-Gottlieb transfers</p>
<p>∨ 16:10 TO 16:40</p>	<p><b>ŁUKASZ MICHALAK</b> Reeb graph invariants of Morse functions and 3-manifold groups</p>	<p><b>LEOR NEUHAUSER</b> Categorical Frobenius algebras are right adjoint to cospans</p>
<p>∨ 16:45 TO 17:15</p>	<p><b>KAMEN PAVLOV</b> On the homotopy classification of 4-manifolds with fundamental group <math>Z \times Z</math></p>	<p><b>MILICA JOVANOVIĆ</b> Steenrod operations on polyhedral products</p>
<p>19:00</p>	<p><b>CONFERENCE DINNER</b></p>	



# YTM 2024 UNI-MÜNSTER



FRIDAY

∨ 10:00  
TO 11:00

ISHAN LEVY  
TALK 3

COFFEE

∨ 11:30  
TO 12:30

ARUNIMA RAY  
TALK 3

THANKS FOR COMING!



# YTM 2024 UNI-MÜNSTER



## WHERE THINGS ARE

### TALKS

On the left column are in M1 and on the right in M2  
(Einsteinstraße 64)

### COFFEE BREAKS

In the second floor of Cluster Lounge  
(Orléans Ring 12)

### POSTER SESSION

In the second floor of Cluster Lounge  
(Orléans Ring 12)