



20

RESTORATION
OF MONTENEGRO'S
INDEPENDENCE
2006–2026



55

MONTENEGRIN
ACADEMY
OF SCIENCES
AND ARTS
1971–2026

MONTENEGRIN ACADEMY OF SCIENCES AND ARTS

Department of Natural Sciences

Advances in Modern Topology

Conference Program

Monday, October 5–Thursday, October 8, 2026, Podgorica

<https://canu.me/najave/medjunarodna-konferencija-napreci-u-savremenoj-topologiji>



Organizing committee:

SVJETLANA TERZIĆ, VLADIMIR IVANOVIĆ, MARIJA DOŠLJAK

Local Organizing committee:

PREDRAG MIRANOVIĆ, KATARINA TERZIĆ, JELENA PAJOVIĆ

Venue:

MONTENEGRIN ACADEMY OF SCIENCES AND ARTS,
RISTA STIJOVIĆA 5, PODGORICA

PROGRAMME

MONDAY, OCTOBER 5

09.30–09.45 **REGISTRATION**

09.45–10.00 **OPENING**

10.00–13.00 **MORNING SESSION**

Chaired by: SVJETLANA TERZIĆ

10.00–10.50 RADE ŽIVALJEVIĆ
Mathematical Institute SANU
**COMBINATORICS, GEOMETRY, AND
TOPOLOGY OF BIER SPHERES**

11.00–11.30 *Coffee break*

11.30–12.20 TARAS PANOV
Steklov Mathematical Institute, Higher School of Economics
**NEW FAMILIES OF MOMENT-ANGLE
MANIFOLDS DIFFEOMORPHIC
TO CONNECTED SUMS OF
PRODUCTS OF SPHERES**
(online)

12.30–12.50 SUDARSHAN GURJAR
IIT Bombay
**EILENBERG-MACLANE AND MOORE SPACES
IN ALGEBRAIC SURFACE THEORY**
(online)

13.00–15.00 *Lunch break*

15.00–17.15 **AFTERNOON SESSION**

Chaired by: ĐORĐE BARALIĆ

15.00–15.50 STEPHEN THERIAULT
University of Southampton
**MOMENT-ANGLE MANIFOLDS
ASSOCIATED TO NEIGHBOURLY
TRIANGULATIONS OF SPHERES**

16.00–16.20 *Coffee break*

16.20–16.40 DORON GROSSMAN-NAPLES
University of Illinois, Urbana-Champaign
**ISOGENIES AND HECKE OPERATORS
FOR ELLIPTIC COHOMOLOGY**

16.45–17.05 IOANNIS GKENERALIS
Aristotle University of Thessaloniki
**HOW MUCH OF THE HOMEOMORPHISM
TYPE IS DETERMINED IN TORIC TOPOLOGY?**

TUESDAY, OCTOBER 6

10.00–13.00 **MORNING SESSION**

Chaired by: STEPHEN THERIAULT

10.00–10.50 VLADIMIR DRAGOVIĆ
The University of Texas at Dallas
**COMPLEXITY OF LASSO, GEOMETRY
AND COMBINATORICS**

11.00–11.30 *Coffee break*

- 11.30–12.20 ULRICH BAUER
Technical University of Munich
**PERSISTENCE BEYOND DATA ANALYSIS:
NEW INTERACTIONS WITH GEOMETRY,
TOPOLOGY, AND ALGEBRA**
- 12.30–12.50 NILAY EKIZ YAZICI
Bursa Technical University
M-CONTIGUITY DISTANCE
- 13.00–15.00 *Lunch break*
- 15.00–17.15 **AFTERNOON SESSION**
- Chaired by: SHINTARO KUROKI
- 15.00–15.50 JELENA GRBIĆ
University of Southampton
**TOPOLOGY AND COMBINATORICS
UNCOVERING STRUCTURES OF
VIETORIS-RIPS COMPLEXES**
- 16.00–16.20 *Coffee break*
- 16.20–16.40 SEMYON ABRAMYAN
ETH Zürich
**EMBEDDING CALCULUS FOR
PARALLELIZED MANIFOLDS**
- 16.45–17.05 VLADIMIR IVANOVIĆ
University of Montenegro
**MODULI SPACE OF WEIGHTED POINTED
STABLE CURVES AND TORIC TOPOLOGY OF
GRASSMANN MANIFOLDS $GN, 2$ FOR $N=5,6$**

WEDNESDAY, OCTOBER 7

9.30–12.15 **MORNING SESSION**

Chaired by: JELENA GRBIĆ

09.30–10.20 MIKIYA MASUDA
Osaka Metropolitan University
**SYMMETRIC MATRICES DEFINED
BY PLANE VECTOR SEQUENCES**

10.30–10.50 *Coffee break*

10.50–11.40 PETAR PAVEŠIĆ
University of Ljubljana
**PARAMETRIZED LS CATEGORY
AND GROUP ACTIONS**

11.50–12.10 URBAN OGRINEC
University of Ljubljana and Institute of Mathematics
**PARAMETRIZED LS CATEGORY
AND GROUP ACTIONS**

12.30 *Excursion*

THURSDAY, OCTOBER 8

9.30–13.30 **MORNING SESSION**

Chaired by: RADE ŽIVALJEVIĆ

9.30–10.20 SHINTARO KUROKI
Okayama University of Science
**LOCALLY STANDARD T-PSEUDOMANIFOLDS
AND THEIR COHOMOLOGY**

10.30–10.50 *Coffee break*

- 10.50–11.40 DORĐE BARALIĆ
Mathematical Institute SANU
**UNIVERSAL SIMPLICIAL COMPLEXES
 AND THE BUCHSTABER INVARIANT**
- 11.50–12.10 ANSHU AGARWAL
Indian Institute of Technology Delhi
**REGULAR GENUS OF SMALL COVERS
 OVER $\Delta^{n-1} \times I$ AND $\Delta^2 \times \Delta^2$**
- 12.15–12.35 MADHUSUDAN DEVAL
Banaras Hindu University
**SOME ASPECTS OF THE TD AXIOM,
 SOBRIETY AND WEAK SOBRIETY
 FOR TOPOLOGICAL SYSTEMS**
(online)
- 12.45–13.05 STOYAN APOSTOLOV
Sofia University
**AXIOMATIC DEGREE THEORY FOR
 TOPOLOGICAL MANIFOLDS**
(online)
- 13.10–13.30 MARIJA DOŠLJAK
University of Montenegro
**TOPOLOGY OF SPACES ASSOCIATED WITH
 SPECIAL HYPERPLANE ARRANGEMENTS,
 WITH APPLICATIONS TO GRASSMANNIAN
 TORUS ORBIT SPACES**

CLOSING REMARKS

