



Gheorghe Asachi Technical University of Iași
Romania



Nagoya Institute of Technology
Japan

Geometry Days – TUIASI 2024

September 6th – 9th

SCIENTIFIC PROGRAMME

Friday, 6th of September

Plenary Session Room III.46

Chairman: Hiroshi MATSUZOE (Nagoya, Japan)

09:00 – 09:50 Dorel FETCU (Iași, Romania)
Biharmonic and biconservative surfaces in Thurston geometries

09:50 – 10:00 **Coffee Break**

10:00 – 10:50 Toshiaki ADACHI (Nagoya, Japan)
Trajectories on totally η -umbilic real hypersurfaces in a nonflat complex space form

10:50 – 11:20 **Coffee Break**

11:20 – 12:10 Marian Ioan Munteanu (Iași, Romania)
Vector fields and magnetic maps

12:10 – 12:20 **Coffee Break**

12:20 – 12:45 Fumiko OHTSUKA (Mito, Japan)
On the classification of non-degenerate regular polyhedral complexes

12:45 – 13:10 Takashi MATSUHISA (Mito, Japan)
A geometric-algebraic interpretation of the generalized frequency of F. Milano after Y. Hasegawa and K. Horizumi

13:10 – 13:35 Aykut KAYHAN (Istanbul, Turkey)
Biconservative hypersurface and differential equation



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Saturday, 7th of September

Plenary Session Room III.46

Chairman: Toshiaki ADACHI (Nagoya, Japan)

09:00 – 09:50 Gabriel Eduard VÎLCU (București, Romania)
Curvature invariants of submanifolds and stability of space forms

09:50 – 10:00 **Coffee Break**

10:00 – 10:50 Naoya ANDO (Kumamoto, Japan)
Paracomplex structures and nilpotent structures

10:50 – 11:20 **Coffee Break**

11:20 – 12:10 Cornelia-Livia BEJAN (Iași, Romania)
Codimension 2 submanifolds of paracosymplectic manifolds with normal Reeb vector field

12:10 – 12:20 **Coffee Break**

12:20 – 12:45 Keiko UOHASHI (Sendai, Japan)
Comparisons of extended divergence on a foliation by deformed probability simplexes with other divergences

12:45 – 13:10 Rareș-Mircea AMBROSIE (Iași, Romania)
Biharmonic homogeneous polynomial maps between spheres

13:10 – 13:35 Cristina Elena HREȚCANU
Semi-invariant submanifolds of (α, p) -golden metric manifolds



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Monday, 9th of September

Plenary Session Room III.46

Chairman: Marcel ROMAN (Iași, Romania)

09:00 – 09:50 Hiroshi MATSUZOE (Nagoya, Japan)
Constructing pre-contrast functions that induce specified Bartlett tensor fields

09:50 – 10:00 **Coffee Break**

10:00 – 10:50 Ioan BUCATARU (Iași, Romania)
First integrals and symmetries in Finsler geometry

10:50 – 11:20 **Coffee Break**

11:20 – 12:10 Cezar Oniciuc (Iași, Romania)
c-Biharmonic maps: a higher order conformally invariant generalization of harmonic maps

12:10 – 12:20 **Coffee Break**

12:20 – 12:45 Oana CONSTANTINESCU (Iași, Romania)
Finsler metrizableities and geodesic invariance

12:45 – 13:10 Ioan Radu PETER (Cluj-Napoca, Romania)
Hardy type inequalities and curvature for nonreversible metrics

13:10 – 13:35 Ștefan ANDRONIC (Iași, Romania)
Gap results for biharmonic submanifolds in Euclidean spheres