

The 3rd OCAMI-IMAG Joint Conference on Differential Geometry

July 10 - 14, 2026

Venue: I-site Namba, Osaka, Japan

Sponsors

- Osaka Central Advanced Mathematical Institute (OCAMI)
- Instituto de Matemáticas de la Universidad de Granada (IMAG)

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Program

July 10.

- 10:00-11:00 Miguel Sánchez (Universidad de Granada)
Semi-Riemannian Cheeger Gromov convergence
- 11:20-12:20 Yoshinori Hashimoto (Osaka Metropolitan University)
Rigidity of isotropic harmonic maps from elliptic curves to complex projective spaces
- 14:30-15:30 Tomás Otero (Universität Münster)
Cohomogeneity one actions on symmetric spaces
- 16:20-16:50 Diego Alfonso Marín Muñoz (Universidad de Granada)
Geometry of f -extremal domains in the 2-sphere
- 17:10-17:40 Fernán González Ibáñez (Universidad de Granada)
Comparison methods for semilinear elliptic problems on Riemannian manifolds with a Ricci lower bound

July 11.

- 10:00-11:00 Shoichi Fujimori (Hiroshima University)
Higher genus minimal surfaces with two ends
- 11:20-12:20 Magdalena Rodríguez (Universidad de Granada)
Tensile minimal surfaces
- 14:30-15:30 Sachiko Hamano (Kyoto Sangyo University)
Deformations of open Riemann surfaces: periods, Levi curvature, and rigidity
- 15:20-18:00 **Poster Session and Shotgun Presentation**

July 12.

- 10:00-11:00 Franz Pedit (UMass Amherst)
Affine spheres, Calabi-Yau metrics, and Higgs bundles
- 11:20-12:20 Charles Ouyang (Washington University in St. Louis)
Embedded special Legendrians in the 5-sphere
- 12:20-19:00 **Free Discussion**
- 19:00-21:30 **Banquet**

July 13.

- 10:00-11:00 Pablo Mira (Universidad Politécnica de Cartagena)
Minimal surfaces and the Serrin problem
- 11:20-12:20 Yoshiki Jikumaru (Toyo University)
On the governing equations of membrane O surfaces
- 14:30-15:30 José M. Espinar (Universidad de Granada)
TBA
- 16:20-16:50 Chiharu Kosugi (Yamaguchi University)
Recent results on mathematical models for the elastic curve with the compressible stress function
- 17:10-17:40 Hirotaka Kiyohara (Osaka Kyoiku University)
Constructing timelike minimal surfaces with singularities in the three-dimensional Heisenberg group via theory of null curves

July 14.

- 10:00-11:00 Víctor Sanmartín López (Universidade de Santiago de Compostela)
On some classes of hypersurfaces in symmetric spaces of noncompact type
- 11:20-12:20 Megumi Sano (Nara Women's University)
Weighted Trudinger-Moser inequalities in the subcritical Sobolev spaces and their applications
- 14:30-15:30 Takeyuki Nagasawa (Saitama University)
A Möbius-Invariant Energy for Multi-Component Links via Relative Gauss Maps
- 15:30-15:40 **Closing**

Poster Presentations

- P1 Ángel Cidre Díaz
Classification of minimal orbits in complex hyperbolic spaces
- P2 Kaoru Iino
Isometric m -type edges and symmetries
- P3 Masato Inagaki
Spectral Approximation of Weighted Laplacians by Graph Laplacians under Lower Ricci Curvature Bounds
- P4 Hiroya Iwasaki
Left-invariant Lorentzian steady Ricci solitons on nilpotent Lie groups
- P5 Shunsuke Kasao
Bloch–Ros principle and its application to surface theory
- P6 Riku Kishida
Zero mean curvature surfaces with singularities in the isotropic 3-space
- P7 Hikoza Kobayashi
Constant curvature and doubly totally geodesic hypersurfaces in homogeneous statistical manifolds
- P8 Motoki Masada
Michell–Prager type truss structures constructed from integrable discrete power function and discrete logarithmic function
- P9 Fumika Mizoguchi
Geometric structures on nilpotent and solvable Lie algebras obtained by quivers
- P10 Hidehito Nagao
Rational Surface Realizations and Birational Transformations of q -Painlevé Equations with Surface Type $A_1^{(1)}$ and Symmetry Type $E_7^{(1)}$
- P11 Shuki Sano
Approximation and Interpolation Theorem for Maximal Surfaces with Singularities
- P12 Mario Julián Rodríguez Sánchez de Toca
Curvature-adapted homogeneous hypersurfaces in symmetric spaces of non-compact type
- P13 Shogo Shimada
Bäcklund transformations for curves and their applications to semi-discrete K -surfaces
- P14 Naoya Suda
Transformations and discretization of spacelike K -surfaces
- P15 Homare Tadano
A zoo of Myers-type theorems
- P16 Keita Takahashi
Completeness conditions for globally hyperbolic spacetimes
- P17 Sakuma Takeshita
Iterated minimal Darboux transformations
- P18 Yuta Yamauchi
Minimal total absolute curvature for equiaffine immersions
- P19 Yuri Yamashita
Geometry of left-invariant pseudo-Riemannian metrics on Lie groups and closed orbit spaces