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

15:20-18:20 **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)
Genus two embedded minimal surfaces in S^3 with bidihedral symmetry

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 Hikozo 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