

Program of the congress

Plenary lectures

- Martin Bridson, *Chasing finite shadows of infinite groups through geometry*
Annalisa Buffa, *On the impact of geometric simplification in the numerical simulation of partial differential equations*
Maxim Kontsevich, *Generalized Riemann–Hilbert correspondence, wall-crossing and resurgence*
André Neves, *Recent progress in the theory of minimal surfaces*
Eero Saksman, *Gaussian multiplicative chaos in random geometry and analytic number theory*
Benny Sudakov, *Restricted subgraphs of edge-colored graphs and applications*
Fabio Toninelli, *Large-scale behavior of (super-)critical stochastic PDEs*
Vlad Vicol, *Anomalous diffusion*
Anna Wienhard, *A beautiful world beyond hyperbolic geometry: Anosov representations and higher Teichmüller spaces*
Tamar Ziegler, *Sign patterns of the Möbius function*

Abel lecture

- Avi Wigderson, *The value of errors in proofs*

Hirzebruch lecture

- Étienne Ghys, *Homeomorphisms of the sphere*

Invited lectures

- Paola Antonietti, *Mathematical and numerical modeling of neurodegenerative diseases*
Shiri Artstein-Avidan, *Dualities in asymptotic geometric analysis and beyond*
David Asperó and Ralf Schindler, *The continuum problem: Hilbert’s first problem revisited*
Balázs Bárány, *Self-affine sets and measures*
Roland Bauerschmidt, *Applications of the renormalisation group*
Dorin Bucur, *A free boundary approach of spectral optimization problems: Extremal Neumann eigenvalues*
Lev Buhovsky, *Courant, Bézout and persistence*
Ángel Castro, *Unstable vortices and non-uniqueness for 2D Euler and α -gSQG*
Vida Dujmovic and David Wood, *Graph product structure: Theory and applications*
Giovanni Forni, *Weakly mixing polygonal billiards*
Nikos Frantzikinakis, *Partition regularity of Pythagorean pairs and more*

Adam Harper, *Low moments of character sums*

David Hernandez, *Symmetries of Grothendieck rings in representation theory*

Barbara Kaltenbacher, *Forward and inverse problems in nonlinear acoustics*

Matti Lassas, *Inverse problems for non-linear partial differential equations*

Ursula Ludwig, *Cheeger–Müller theorem for singular spaces*

Michael Magee, *Optimal spectral gaps*

Svitlana Mayboroda, *Free boundary problems for the partially reflected Brownian motion*

Anton Mellit, *Cohomology rings of character varieties*

Pablo Mira, *Free boundary minimal annuli in the unit ball*

James Newton, *Modularity of Galois representations and generalized class groups*

Steve Oudot, *Differential calculus and optimization in persistence module categories*

Stefanie Petermichl, *The matrix A_2 conjecture*

David Pérez-García, *Spectral gaps in quantum computing*

Pavel Pudlak, *Proofs, computational complexity, and games*

Mario Salvetti, *The $K(\pi, 1)$ -conjecture for Artin groups*

Ralf Schindler and David Asperó, *The continuum problem: Hilbert's first problem revisited*

Saul Schleimer, *Solving the word problem in the mapping class group in quasi-linear time*

Stefan Schwede, *Universal symmetries: Global-equivariant homotopy theory*

Alessandro Sisto, *An invitation to hierarchical hyperbolicity*

Yilin Wang, *Recent developments on the Loewner energy for Jordan curves*

Michael Wemyss, *Normal forms of noncommutative functions*

David Wood and Vida Dujmovic, *Graph product structure: theory and applications*

Prize lectures

Cristiana De Filippis, *Nonuniformly elliptic Schauder theory*

Jessica Fintzen, *An introduction to representations of p -adic groups*

Nina Holden (online speaker), *Random surfaces*

Tom Hutchcroft, *Probability and the structure of groups*

Jacek Jendrej, *Recent progress on the problem of soliton resolution*

Adam M. Kanigowski, *Ergodic and spectral properties of smooth flows on surfaces*

Frederick Manners, *Rough structure theorems in additive combinatorics and their applications*

Richard Montgomery, *Transversals in Latin squares*

Danylo Radchenko, *Fourier uniqueness pairs and interpolation formulas*

Fabien Casenave, *Learning physics simulations for design processes in the industry*

Reinhard Siegmund-Schultze, *On the 125th anniversary of his birth: My 'encounter' with Otto Neugebauer*

Patrick Amestoy, Jean-Yves L'Excellent and Theo Mary, *MUMPS: Multifrontal Massively Parallel Solver for the direct solution of sparse linear equations*
Jeremy Quastel, *Integrable PDE's for random growth*

Public lectures: Beyond mathematics

José Ferreirós, University of Seville, *Tales from (mathematical) paradise*
José López Barneo, University of Seville, *Search for a neuroprotective therapy for Parkinson's disease*
Eleonora Viezzer, University of Seville, *Wave-particle interactions in tokamak fusion plasmas*
Montserrat Vilá, Doñana Biological Station (EBD-CSIC), *Biotic globalization by invasive species*

Special lectures

London Mathematical Society lecture

Heather Harrington, *Application driven topological data analysis*

Outreach lecture

Saul Schleimer, *Puzzling the 120-cell*

Minisymposia

Analysis, approximation and control of chemotaxis models

María Ángeles Rodríguez-Bellido, University of Seville
Antonio Suárez Fernández, University of Seville
Cristian Morales-Rodrigo, University of Seville

Analytical, computational and geometrical approaches to inverse problems

Pedro Caro, Basque Center for Applied Mathematics
Tony Liimatainen, University of Helsinki
Samuli Siltanen, University of Helsinki

Applied and combinatorial topology

José Antonio Vilches, University of Seville
Rocío González Díaz, University of Seville
Enrique Macías-Virgós, University of Santiago de Compostela

Asymptotic convex analysis

Bernardo González Merino, University of Murcia
Carlos Hugo Jiménez Gómez, University of Seville
Julián Haddad, University of Seville

Calculus of variations problems in materials science

Arghir-Dani Zarnescu, Basque Center for Applied Mathematics

Maria-Carme Calderer, University of Minnesota

Collective phenomena of Fermionic systems

Jinyeop Lee, University of Basel

Emanuela L. Giacomelli, LMU Munich

Combinatorial designs

Raúl Manuel Falcón Ganfornina, University of Seville

Félix Gudiel Rodríguez, University of Seville

Víctor Álvarez Solano, University of Seville

Complex, quaternionic and exceptional geometry

Fabio Vlacchi, University of Trieste

Simon Salamon, King's College London

Chiara De Fabritiis, Marche Polytechnic University

Computational group theory: Algorithmic problems and cryptographic applications

María Cumplido, University of Seville

Marialaura Noce, University of Salerno

Computer algebra and mathematical interactions

Francesca Cioffi, University of Naples Federico II

Cristina Bertone, University of Turin

Current developments in mathematical fluid dynamics

Daniel Lear, University of Cantabria

Diego Alonso-Oran, University of La Laguna

Rafael Granero-Belinchon, University of Cantabria

D-modules and applications

Alberto Castaño Domínguez, University of Seville

María Cruz Fernández Fernández, University of Seville

*Dynamical aspects of nonlinear problems in reaction-diffusion equations,
Hamiltonian systems, and ODEs*

Andrea Tellini, Technical University of Madrid

Guglielmo Feltrin, University of Udine

Elisa Sovrano, University of Modena and Reggio Emilia

*EU-MATHS-IN: Success stories of mathematical technologies in societal challenges
and industry*

Manuel Cruz, LEMA-ISEP-IPP and EU-MATHS-IN

Barbara Kaltenbacher, European Mathematical Society and University of Klagenfurt
Matthias Ehrhardt, University of Wuppertal and EU-MATHS-IN

Extremal and probabilistic combinatorics

Richard Lang, University of Hamburg

Nina Kamčev, University of Zagreb

Financial and insurance risks

Marta Sánchez Sánchez, University of Cádiz

Alfonso José Bello Espina, University of Cádiz

Gema Pigueras Voces, University of Cádiz

*Fixed point theory and applications to fractional ordinary and partial difference
and differential equations*

Erdal Karapinar, Çankaya University

Adrian Petrusel, Babeş-Bolyai University

Marija Cvetković, University of Niš

Function spaces and related topics

Luboš Pick, Charles University

Lenka Slavíková, Charles University

Andrea Cianchi, University of Florence

Generalizations of complex analysis and applications

Eckhard Hitzer, International Christian University

Dmitrii Legatiuk, University of Erfurt

Sebastià Xambó, Polytechnic University of Catalonia

*Geometric and regularity aspects of sub-elliptic PDEs: From kinetic equations to
Hormander's vector fields*

Francesca Anceschi, Marche Polytechnic University

Mirco Piccinini, University of Parma

Annalaura Rebusci, Max Planck Institute for Mathematics in the Sciences

Geometric data science presenting days

Vitaliy Kurin, University of Liverpool

Geometry of Banach and metric spaces and fixed point theory

Łukasz Piasecki, Maria Curie-Skłodowska University in Lublin

Jeimer Villada, Maria Curie-Skłodowska University in Lublin

María Japón Pineda, University of Seville

*Geometry, algebra and asymptotic analysis of differential equations and dynamical
systems*

Fernando Sanz Sánchez, University of Valladolid

Javier Sanz Gil, University of Valladolid
Alberto Fernández Boix, University of Valladolid

Groups, skew braces and the Yang–Baxter equation

Marco Trombetti, University of Naples Federico II
Vincent Pérez-Calabuig, University of Valencia
Marzia Mazzotta, University of Salento

Interfaces between interacting particle systems and PDEs: From analysis to applications

Hui Huang, University of Graz
Alexandra Holzinger, University of Oxford

Inverse Galois theory and arithmetic

Tony Shaska, Oakland University
Sara Arias De Reyna, University of Seville

Knot theory and low dimensional manifolds

Marithania Silvero, University of Seville
Lukas Lewark, ETH Zurich
Mark Powell, University of Glasgow

Linear algebra and matrix analysis

Fernando De Terán, Charles III University of Madrid
Alicia Roca, Technical University of Valencia
Ángeles Carmona, Polytechnic University of Catalonia

Mathematical aspects on reduced order modeling

Enrique Delgado Ávila, University of Seville
Alejandro Bandera Moreno, University of Seville
Tomás Chacón Rebollo, University of Seville

Mathematical challenges in inverse problems

Barbara Kaltenbacher, University of Klagenfurt
Eric Bonnetier, Grenoble Alpes University
Thorsten Hohage, University of Göttingen

Mathematical methods for biological problems

Ana Carpio, Complutense University of Madrid

Mathematical methods in reliability analysis

Nuria Torrado, Autonomous University of Madrid
Antonio Arriaza, University of Cádiz
Julio Mulero, University of Alicante

Mathematical modeling in life sciences

Adérito Araújo, University of Coimbra

Andrea Pugliese, University of Trento

MIDAS – Mathematical information in the digital age of science

Olaf Teschke, FIZ Karlsruhe, EMS Committee on Publications and Electronic
Dissemination, zbMATH Open, EOSC

Evelyne Miot, CNRS, EMS Committee on Publications and Electronic

Dissemination, Institut Fourier, Grenoble Alpes University, MathDoc

Moritz Schubotz, FIZ Karlsruhe, zbMATH Open, EOSC

Geometry of submanifolds, celebrating Bang-Yen Chen's 80th anniversary

Bogdan Suceavă, California State University

Mihaela Vajiac, Chapman University

Alfonso Carriazo, University of Seville

New mathematical approaches in developmental biology

Elena Camacho Aguilar, Andalusian Centre for Developmental Biology

Fernando Casares, Andalusian Centre for Developmental Biology

Luciano Marcon, Andalusian Centre for Developmental Biology

New trends in calculus of variations

Virginia De Cicco, Sapienza University of Rome

Anderson Melchor Hernandez, Polytechnic University of Turin

Valeria Chiadò Piat, Polytechnic University of Turin

New trends in control and inverse problems

Anna Doubova, University of Seville

New trends in many particle and mean field models

Idriss Mazari-Fouquer, CEREMADE, Paris Dauphine University – PSL

Domènec Ruiz-I-Balet, Imperial College London

Laura Kanzler, CEREMADE, Paris Dauphine University – PSL

Nonlinear and nonlocal PDE in biology and collective behavior

José Cañizo, University of Granada, IMAG

Bruno Volzone, Parthenope University of Naples

*Non-local operators and stochastic processes: Fractional processes, random fields,
and applications*

Enrica Pirozzi, University of Naples Federico II

Enrico Scalas, Sapienza University of Rome

Nonlocality in hyperbolic PDEs

Felisia Angela Chiarello, University of L'Aquila

Lukas Pflug, University of Erlangen–Nuremberg
Alexander Keimer, University of Erlangen–Nuremberg

Nonstandard dualities, associated dynamics, and algorithms

Patrick Combettes, North Carolina State University
Michel De Lara, ENPC

Operator algebras

Joan Bosa Puigredon, University of Zaragoza
Antonio Peralta, University of Granada
Francesc Perera, Autonomous University of Barcelona

Operator semigroups and evolution equations: Theory and applications

Christian Budde, University of the Free State

Orthogonal polynomials and special functions

Mirta María Castro Smirnova, University of Seville
Ignacio Nahuel Zurrián, University of Seville
Manuel Domínguez De La Iglesia, National Autonomous University of Mexico

*Particles unleashed: From the theory of interacting particle systems to applications
in optimization, data science, and machine learning*

Konstantin Riedl, Technical University of Munich
Tim Roith, Helmholtz Imaging, DESY
Michael Herty, RWTH Aachen University

*Qualitative theory and applications of boundary value problems for nonlinear ODEs
and PDEs*

Paola Rubbioni, University of Perugia
Serena Matucci, University of Florence
Radu Precup, Babeş-Bolyai University

*Reducing the computational complexity of eigenvalue problems arising from partial
differential equations*

Daniele Boffi, King Abdullah University of Science and Technology
Fleurianne Bertrand, Chemnitz University of Technology

Regularisation by noise

Mate Gerencser, TU Wien

Rings, modules, and factorizations

Laura Cossu, University of Graz
Alfred Geroldinger, University of Graz
Mara Pompili, University of Graz

Shared horizons: Collaborations between Europe and the global South

Balazs Szendrői, University of Vienna

Sophie Dabo-Niang, University of Lille

Christophe Ritzenthaler, University of Rennes, CIMPA

Special functions, orthogonal polynomials, Q -series and applications

Howard Cohl, National Institute of Standards and Technology

Robert Maier, University of Arizona

Roberto Costas-Santos, Loyola University Andalusia

Spectral geometry and related topics

Luigi Provenzano, Sapienza University of Rome

Davide Buoso, University of Eastern Piedmont

Katie Gittins, Durham University

Spectral theory of differential operators in mathematical physics

Pavel Exner, Nuclear Physics Institute, Czech Academy of Sciences, Czech Technical University

Konstantin Pankrashkin, Carl von Ossietzky University of Oldenburg

Stochastic and harmonic analysis

Li Chen, Aarhus University

Fabrice Baudoin, Aarhus University

Stochastic dynamical systems

Ting Gao, Huazhong University of Science and Technology

Jinqiao Duan, Great Bay University

Stochastic processes in cell biology

Yann Lanoiselée, Basque Center for Applied Mathematics

Jakub Ślęzak, Wrocław University of Science and Technology

Symmetry methods and other approaches for nonlinear partial differential equations with applications

Tamara M. Garrido Letrán, University of Cádiz

Maria Luz Gandarias, University of Cádiz

Almudena P. Marquez, University of Cádiz

The mathematics of data-driven reduced-order modeling for dynamical systems

Zoran Tomljanovic, University of Osijek

Ion Victor Gosea, Max Planck Institute for Dynamics of Complex Technical Systems

Towards the regularity theory, PDEs free boundaries and interfaces

Edgard Pimentel, University of Coimbra

Makson Santos, Instituto Superior Técnico

Variational and topological methods in PDEs

Jacopo Schino, University of Warsaw

Bartosz Bieganowski, University of Warsaw

Variational methods and nonlinear analysis

Ana Cristina Barroso, University of Lisbon

Elvira Zappale, Sapienza University of Rome

Women in control

Lorena Bociu, North Carolina State University

Contributed sessions

Algebra

Algebraic and complex geometry

Analysis and its applications

Combinatorics and discrete mathematics

Decision, optimization and control

Differential geometry and applications

Dynamical systems, ordinary differential equations and applications

EMYA lightning talks by young participants

General topics

History of mathematics, mathematics education, popularization of mathematics

Logic and mathematical aspects of computer science

Mathematical physics

Mathematics in science and technology

Number theory

Numerical analysis, scientific computing

Partial differential equations and applications

Probability, statistics and financial mathematics

Topology

Panel discussions

How to enhance mathematical competence? Lessons from great-scale assessments

Organized by the European Mathematical Society and the Royal Spanish
Mathematical Society

Participants:

Luis J. Rodríguez-Muñiz (chair), vice-president of the Royal Spanish Mathematical
Society, University of Oviedo

Nuria Climent, president of the Spanish Society of Research on Mathematics
Education, University of Huelva

Susana Carreira, University of Algarve

Giorgio Bolondi, Free University of Bozen-Bolzano
Andreas Eichler, University of Kassel

Mathematics and artificial intelligence

Organized by the Basque Center for Applied Mathematics

Participants:

Luis Vega (chair), Basque Center for Applied Mathematics
Rosa Crujeiras, University of Santiago de Compostela
Matti Lassas, University of Helsinki
Justo Puerto, University of Seville
David Ríos, AXA Chair in Adversarial Risk Analysis, Institute of Mathematical Sciences (ICMAT)
Begoña Vitoriano, Complutense University of Madrid

Translating European mathematics

Organized by the Institute of Mathematical Sciences (ICMAT) and the International Commission on the History of Mathematics (IMU)

Participants

Norbert Schappacher (chair), IRMA
June Barrow-Green, The Open University and London School of Economics,
president of the International Commission on the History of Mathematics (IMU)
Frances Goldman, English editor in the LMS of the Russian translation journals
François Lê, member of the “The Brill–Noether report on the theory of algebraic functions (1894): translation and analysis project”

European Research Council panel

Organized by the European Research Council

Participants:

Maria Gonzalez Cerveron (chair), ERCEA Mathematics Panel coordinator,
European Research Council
Annalisa Buffa, AdG panel member, StG and AdG grantee
Giovanni Forni, AdG grantee
Stefanie Petermichl, Consolidator grantee
Jan Philip Solovej, AdG panel member, panel chair and AdG grantee

New scenarios in Open Science

Organized by the Centre de Recerca Matemàtica

Participants:

Miguel Benítez (chair), Basque Center for Applied Mathematics
André Gaul, EMS Press
Ignasi Labastida i Juan, University of Barcelona
Pilar Rico, Spanish Foundation for Science and Technology (FECYT)

Celebrating and supporting women in Mathematics

Organized by the European Women in Mathematics

Participants:

Tara Brendle, vice-president of the Edinburgh Mathematical Society, University of Glasgow

Eva Gallardo Gutiérrez, president of Royal Spanish Mathematical Society, Complutense University of Madrid

Maria Gonzalez Cerveron, European Research Council

Sustainability panel and group discussion

Organized by the European Mathematical Society Young Academy

The role of institutes of mathematics in the advancement of mathematical research

Organized by the Institute of Mathematics of the University of Seville

Participants:

Justo Puerto (chair), director of the Institute of Mathematics of the University of Seville

Lluís Alseda, director of the Centre de Recerca Matemàtica

Martin Bridson, president of the Clay Mathematics Institute

Rosa Crujeiras, director of the Galician Centre for Mathematical Research and Technology

Miguel Sánchez, director of the Institute of Mathematics of the University of Granada

Anna Wienhard, director of the Max Planck Institute for Mathematics in the Sciences

José A. Lozano, director of the Basque Center for Applied Mathematics

Javier Aramayona, director of the Institute of Mathematical Sciences (ICMAT)

Activities by the European Mathematical Society Young Academy

EMYA lighting talks

EMYA ice breaking session

Activities by the European Women in Mathematics

EWM event

Speakers:

Tara Brendle, University of Glasgow

Jessica Fintzen, University of Bonn

Elena Gaburro, University of Bordeaux

Chiara Saffirio, University of Basel

Maria Yakerson, University of Oxford

EWM panel discussion

EWM exhibition

Exhibitions

*Maps: Cartographic heritage in Seville from the 15th to the 18th century*⁶

Coordinator: Guillermo Curbera, University of Seville

Cajasol Foundation, June 27 to July 20, 2024

The exhibition featured a selection of maps and books from the General Archive of the Indies, the Columbina Library, and the old collection of the University of Seville Library. To complement this exhibition, three conferences were held, given by Antonio Durán (Professor of mathematical analysis at the University of Seville), Consuelo Varela (former director of the School of Spanish-American Studies and the Alcázar of Seville), and Antonio Sánchez Martínez (Professor of history and philosophy of science at the Autonomous University of Madrid). More than three thousand visitors enjoyed the exhibition during those days.

*Nudos: A journey into knot theory*⁷

Coordinators: Juan González-Meneses, Marithania Silvero and Francisco Vega,
University of Seville

Higher Technical School of Engineering of the University of Seville (congress venue)

A collection of 3D models of knots and interactive links to guide the visitor through the amazing world of knot theory, from basic concepts to some of the most intriguing features. Created by Juan González-Meneses, Marithania Silvero, and Francisco Vega.

EWM exhibition: Celebrating and supporting women in mathematics

Coordinator: European Women in Mathematics

Higher Technical School of Engineering of the University of Seville (congress venue)

Biographies and photographs of 39 women researchers in mathematics from around the world.

A geometric walk through the Alhambra

Coordinator: Miguel Ortega Titos, University of Granada

Higher Technical School of Engineering of the University of Seville (congress venue)

This exhibition analyzes the decoration of the Alhambra palaces from a geometric perspective, attempting to discover some of the mathematical secrets used by Nasrid artisans: the use of proportions, Nasrid decorative elements, and examples of crystallographic groups.

⁶<https://expobus.us.es/s/mapas/page/mapas-index>

⁷<https://institucional.us.es/exponudos/>

Satellite conferences

Towards infinite dimension and beyond in quantum information

May 5 to May 10, 2024, Granada, Spain

Generalized geometry meets string theory

May 12 to May 17, 2024, Granada, Spain

Positive solutions of polynomial systems arising from real-life applications

May 19 to May 24, 2024, Granada, Spain

Bridging the gap: The importance of communicating mathematical research to laypeople and in education

May 21 to May 24, 2024, Mallorca, Spain

Climate-inclusive ecosystem modeling: Understanding the dynamics of ecosystems in a changing world

May 27 to May 29, 2024, Barcelona, Spain

From evolution to bioengineering of biological patterning mechanisms. Mathematical advances and challenges

June 2 to June 7, 2024, Granada, Spain

BAC24 Barcelona analysis conference

June 3 to June 7, 2024, Barcelona, Spain

Functor and tensor categories, models and systems

June 3 to June 7, 2024, Santiago de Compostela, Spain

PDE methods in machine learning: From continuum dynamics to algorithms

June 9 to June 14, 2024, Granada, Spain

Methods in Banach spaces

June 10th to June 14th, 2024, Badajoz, Spain

Geometry of field theories

June 12 to June 14, 2024, Madrid, Spain

From classical to modern analysis: In memory of professor José Carlos Petronilho

June 24 to June 28, 2024, Sanlúcar de Barrameda, Spain

EACA2024

June 24 to June 26, 2024, San Lorenzo de El Escorial, Spain

Topology, algebra, and categories in logic (TACL)

June 24 to July 5, 2024, Barcelona, Spain

European school of differential geometry (ESDG)

June 24 to July 5, 2024, Granada, Spain

Interactions between geometry, algebra and topology

June 25 to July 5, 2024, Barcelona, Spain

Perspectives in representation theory

July 1 to July 3, 2024, Coimbra, Portugal

*Applied nonlinear dynamical systems and chaos. Celebrating Stephen Wiggins's
65th birthday*

July 1 to July 3, 2024, Madrid, Spain

Discrete mathematics days 2024

July 3 to July 5, 2024, Alcalá de Henares, Spain

Alhambra PDE days

July 8 to July 12, 2024, Granada, Spain

International meeting on numerical semigroup 2024 (IMNS2024)

July 8 to July 12, 2024, Jerez de la Frontera, Spain

Recent advances in harmonic analysis

July 8 to July 12, 2024, Málaga, Spain

Combinatorial designs and codes (CODESCO 2024)

July 8 to July 12, 2024, Sevilla, Spain

Integrability and moduli, a conference in honour of Leon Takhtajan

July 8 to July 12, 2024, Lisbon, Portugal

2nd international workshop on mathematics and physical sciences

July 11 to July 12, 2024, Évora, Portugal

Regularity theory and free boundary problems: From PDE to interfaces

July 22 to July 26, 2024, Coimbra, Portugal

32nd international fall workshop on geometry and physics

September 2 to September 5, 2024, Coimbra, Portugal