



8 ECM
2020
PORTOROŽ



8TH EUROPEAN CONGRESS OF MATHEMATICS

- OTHER EVENTS INCLUDED IN THE 8ECM PROGRAMME

20 - 26 JUNE 2021 • PORTOROŽ SLOVENIA

8th European Congress of Mathematics
20–26 June 2021 • Portorož, Slovenia
Other Events Included in the 8ECM Programme

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• PAST 8ECM CONGRESSES

EMS Congresses are held from **1992** when the **1st European Congress of Mathematics** took place in Paris, France.

Since 1992 European Congress of Mathematics was held every four years in different parts of Europe:

2nd ECM **BUDAPEST**, July 22 - 26, 1996

3rd ECM **BARCELONA**, July 10 - 14, 2000

www.imub.ub.edu

4th ECM **STOCKHOLM**, June 27 - July 2, 2004

www.math.kth.se

5th ECM **AMSTERDAM**, July 14 - 18, 2008

6th ECM **KRAKOW**, July 2 - 7, 2012

www.6ecm.pl

7th ECM **BERLIN**, July 18 - 22, 2016

www.7ecm.de



- THE EMS PRIZES,
- THE FELIX KLEIN PRIZE,
- THE OTTO NEUGEBAUER PRIZE

Every four years, during the European Congress of Mathematics, the European Mathematical Society awards 10 EMS Prizes, the Felix Klein Prize and the Otto Neugebauer Prize. All prize winners are traditionally announced at the Opening Ceremony at the beginning of the congress. All prize lectures will take place online, at the 8ECM, from 20 – 26 June 2021.

THE EMS PRIZES

The EMS Prizes were established by the Organizing Committee of the first European Congress of Mathematics in 1989, and were sponsored by Jacques Chirac, who was at that time the mayor of Paris. EMS Prize winners were selected by Prize Committee members, who are appointed by the EMS, and who were presided over by Martin Bridson (University of Oxford).

The 10 EMS Prizes are awarded “to young researchers not older than 35 years, of European nationality or working in Europe, in recognition of excellent contributions in mathematics”, and are funded by Foundation Compositio Mathematica and EMS Press.

The EMS Prizes fund at the 8ECM 2021 is offered by **The Foundation Compositio Mathematica** and **EMS Press**.

THE FELIX KLEIN PRIZE

The Felix Klein Prize is awarded “to a scientist, or a group of at most three scientists, under the age of 38 for using sophisticated methods to give an outstanding solution, which meets with the complete satisfaction of industry, to a concrete and difficult industrial problem.” The Felix Klein Prize winner is selected by Prize Committee members, presided over by

Ralf Korn (TU Kaiserslautern).

The Felix Klein Prize fund is offered by **The Fraunhofer Institute for Industrial Mathematics in Kaiserslautern**.

THE OTTO NEUGEBAUER PRIZE

The Otto Neugebauer Prize is awarded “for highly original and influential work in the field of history of mathematics that enhances our understanding of either the development of mathematics or a particular mathematical subject in any period and in any geographical region.” The Otto Neugebauer Prize winner is selected by Prize Committee members, presided over by Eberhard Knobloch, (Berlin University of Technology, Berlin-Brandenburg Academy of Sciences).

The Otto Neugebauer Prize Fund is offered by **Springer Verlag**.



- OPEN PANELS
AND SOCIETY
MEETINGS

ERC PANEL

Tuesday, 22 June 2021, 16:00 - 17:30 (CEST)

Online at 8ecm.si

Chair: Maria Teresa Gonzalez Cerveron (ERC Scientific Officer)

During the first part of the session, Maria Gonzalez Cerveron will give an overview of different funding schemes available, and of the evaluation process when applying for ERC grants, in order to better understand the application process. This will be complemented by testimonies of ERC grantees Stefanie Petermichl (CoG) and Ana Caraiani (StG).

EWM - PANEL ON GENDER BALANCE IN MATHEMATICS

Tuesday, 22 June 2021, 20:00 - 21:00 (CEST)

Online at 8ecm.si

Chair: Eugenie Hunsicker (Loughborough University)

The panelists will discuss the current mathematical life course and the issues with the current system that lead to the current situation regarding gender balance. This includes a debate of the challenging work required to change the attitudes in the mathematics community about what mathematical success looks like and who is capable of it.

PANELIST FOR THIS SESSION ARE:

- Shabnam Beheshti (Director of Undergraduate Studies, Queen Mary University of London)
- Klavdija Kutnar (8ECM Organizing Committee Deputy Chair, Rector of the University of Primorska)
- Volker Mehrmann (president of EMS)
- Jill Pipher (past-president of AMS)
- Carola Schönlieb (previous EWM convenor)

OPEN ACCESS PANEL

Thursday, 24 June 2021, 16:00 - 17:30 (CEST)

Online at 8ecm.si

Chair: Volker Mehrmann

This is a panel discussion about the future of mathematical publishing. We are currently in a transition period where classical publishing models for scientific results are drastically changing. Gold, diamond or green open access models or Subscribe-To-Open models are discussed and implemented, national consortia rather than libraries are financing the access to scientific literature. The EU is pushing for open access publishing via its plan S.

Where is the future in scientific publishing in mathematics? Why are new journals founding every day? How can we control the quality of the published results? Who is going to finance all these publications?

PANELIST FOR THIS SESSION ARE:

- André Gaul (CEO EMS press)
- Giovanni Raneri (Senior publisher, Elsevier)
- Timothy Gowers (University of Cambridge)
- Thierry Bouche (PED Committee)
- Klaus Hulek (Editor-in-Chief, Mathematische Nachrichten)
- Olaf Teschke (Managing Editor, zbMATH Open)
- Tomaž Pisanski (Editor-in-Chief, Ars Mathematica Contemporanea, The Art of Discrete and Applied Mathematics, 8ECM Organizing Committee Chair)

LMS SOCIETY MEETING AND LECTURE

Tuesday, 22 June 2021, 17.30 - 18.30 (CEST)

Online at 8ecm.si

Chair: Jonathan Keating

The London Mathematical Society will open the meeting and introduce James Maynard (University of Oxford) who will be delivering a lecture, entitled Approximating real numbers by fractions.

The lecture is aimed at a general mathematical audience. All interested, whether LMS members or not, are welcome to attend this event.

ABSTRACT

How well can you approximate real numbers by rationals with denominators coming from a given set? Although this old question has applications in many areas, in general this question seems impossibly hard - we don't even know whether $e+\pi$ is rational or not!

If you allow for a tiny number of bad exceptions, then a beautiful dichotomy occurs - either almost everything can be approximated or almost nothing! I'll talk about this problem and recent joint work with Dimitris Koukoulopoulos which classifies when these options occur, answering an old question of Duffin and Schaeffer. This relies on a fun blend of different ideas, including ergodic theory, analytic number theory and graph theory.



- **LIVE INTERVIEW
WITH JEAN-PIERRE
BOURGUIGNON**

A highlight of the 8ECM will be an open live interview with Professor Jean-Pierre Bourguignon, one of the most influential European contemporary mathematicians who, among other things, served as the second President of the European Mathematical Society and the President of the European Research Council, and left a huge impact on the prestigious IHES - Institut des Hautes Études Scientifiques, as its director for 19 years.

The interview will be conducted by Professor Günter Ziegler, a prominent mathematician, who currently serves as the President of the Freie Universität Berlin, one of the best European Institutions of higher education.

The event will be chaired by Professor Maria J. Esteban, the Chair of the 8ECM Scientific Committee, and will be broadcasted live with open access. The interview is scheduled on the last day of the Congress, on Friday, 25 June 2021 at 4 pm, followed by the Closing Ceremony.

▶ JEAN-PIERRE BOURGUIGNON

Jean-Pierre Bourguignon is a French mathematician, whose main research area is differential geometry. His work has focused on the Ricci curvature and its relation to both global analysis and general relativity. He co-authored the monographs "A Spinorial Approach to Riemannian and Conformal Geometry" (EMS, 2015) and "Mathematics, a Beautiful Elsewhere" (Thames and Hudson, 2012), a book on the intersection of Mathematics and Art, published along an exhibition at the Fondation Cartier pour l'art contemporain.

Professor Bourguignon has been affiliated with the Centre National de la Recherche Scientifique (CNRS) for most of his career, which, in his words, "has given me a great freedom to pursue my research". He is now

emeritus. Prior to his ERC presidency, Bourguignon was director of the Institut des Hautes Études Scientifiques (IHÉS) until 2013 and is now the Nicolaas Kuiper honorary professor there.

During Bourguignon's directorship, the IHÉS numbered three Fields medalists among its faculty. Concurrently, Bourguignon held a part-time teaching position at the nearby École Polytechnique.

As president of the Société Mathématique de France (1990-92), Bourguignon was instrumental in shaping the European Mathematical Society, established in 1990, becoming its second president (1995-98). The achievements of his tenure include founding the Journal of the European Mathematical Society (JEMS), increasing the visibility of the EMS, and boosting support for young mathematicians.

Among Bourguignon's awards are the Prix Paul Langevin (1987) and the Prix du Rayonnement Français in Mathematical Sciences and Physics from the Académie des Sciences de Paris (1997). In addition, he has been granted several honorary positions, including membership of the London Mathematical Society, the German Association of Mathematicians (DMV), and the Polish Mathematical Society and doctorates from Keio University, Japan, Nankai University, China, and the University of Edinburgh.



(Photo credit: WEF)

GÜNTER ZIEGLER

Günter M. Ziegler is a Professor of Mathematics at Freie Universität Berlin. His work connects Combinatorics and Discrete Geometry (especially polytopes) with Topology (in particular configuration spaces) and Optimization. He is the author of Lectures on Polytopes (Springer GTM, 1995), of Proofs from THE BOOK (with Martin Aigner, Springer, 6th edition 2018), as well as of Do I Count? Stories from Mathematics (CRC 2013).

His honors include a Leibniz Prize (2001), the 2008 Communicator Award, an ERC Advanced Grant (2010), the 2017 Berlin Science Prize and the 2018 Steele Prize for Mathematical Exposition (with Martin Aigner). He is a member of the Berlin-Brandenburg Academy of Sciences, of the German National Academy of Sciences Leopoldina and of the National Academy of Science and Technology acatech, and a Fellow of the American Mathematical Society.

For 2006-2008 he was the President of the German Mathematical Society DMV. He initiated and co-organized the German National Science Year 2008 and now directs the DMV Mathematics Media Office. He currently serves as the President of Freie Universität Berlin and as a member of the Executive Board of the International Mathematical Union.



(Photo credit: Kay Herschermann)

MARIA J. ESTEBAN

Professor Maria J. Esteban is a Basque-French mathematician. In her research she studies nonlinear partial differential equations, mainly by the use of variational methods, with applications to physics and quantum chemistry.

She is senior researcher at the Centre National de la Recherche Scientifique (CNRS), working at University Paris-Dauphine. Maria J. Esteban has been president of the International Council for Industrial and Applied Mathematics – ICIAM, of the Society of Applied and Industrial Mathematics - SMAI and of the Committee for Applied Mathematics of the European Mathematical Association - EMS. She participated in the project The Forward Look on Mathematics and Industry, funded by the European Science Foundation (ESF), and is one of the founders of EU-MATHS-IN - the European Mathematics Service Network for Industry and Innovation. She has been a member of the Abel Prize Committee and of the ERC (European Research Council) PE1 panel for ERC Advanced Grants. She has received several awards and honorary degrees and memberships.



(Photo credit: London Mathematical Society)



• SATELLITE EVENTS

OPTIMIZATION IN INSURANCE

23 June 2021

www.conferences.famnit.si

Online

GRAPHS AND GROUPS, GEOMETRIES AND GAP (G2G2-SUMMER SCHOOL)

27 June 2021 - 3 July 2021

www.conferences.famnit.si

Rogla, Slovenia

COMBINATORICS AROUND THE Q-ONSAGER ALGEBRA

Summer 2022

www.conferences.famnit.si

Kranjska gora, Slovenia

COMBINATORIAL DESIGNS AND CODES

12 - 16 July 2021

www.cdc2020-math.uniri.hr

Online

INTEGRABLE SYSTEMS IN GEOMETRY AND MATHEMATICAL PHYSICS. IN MEMORIAM OF BORIS DUBROVIN (1950-2019)

28 June 2021 - 2 July 2021

www.indico.sissa.it

SISSA, Trieste, Italy

CONTEMPORARY ANALYSIS AND ITS APPLICATIONS

16 - 20 June 2021

www.caia-conference.eu

Online

COMPLEX ANALYSIS, GEOMETRY, AND DYNAMICS

2022

Ljubljana, Slovenia

RAMSES: REDUCED ORDER MODELS; APPROXIMATION THEORY; MACHINE LEARNING; SURROGATES, EMULATORS AND SIMULATORS

7 - 10 June 2021

www.indico.sissa.it

SISSA Trieste, Italy

RINGS AND POLYNOMIALS

19 - 24 July 2021

www.integer-valued.org

University of Technology Graz, Austria

ANALYSIS AND NUMERICS OF DESIGN, CONTROL AND INVERSE PROBLEMS

28 June - 2 July 2021

www.cmc.deusto.es

Istituto Nazionale di Alta Matematica (INdAM) "F. Severi"

Rome, Italy

EQUIVALENCES, NUMBERINGS, REDUCIBILITIES

16 - 18 June 2021

www.equinumred-8ecm.uniud.it

Udine, Italy



• LIVE EXHIBITIONS

The 8ECM will feature a total of just over 1,000 lectures, from mini-symposia to plenary and invited lectures and lectures for the general public. In addition to the scientific program, the organizers are preparing a number of accompanying events and exhibitions.

“WOMEN OF MATHEMATICS THROUGHOUT EUROPE - A GALLERY OF PORTRAITS”

This is an extended exhibition, edited by Sylvie Paycha and Noel Tovia Matoff as part of the 8th European Congress of Mathematics, and hosted by University of Primorska.

The organizer of the exhibition is the Committee for Women at the **Society of Mathematicians, Physicists and Astronomers of Slovenia** (DMFA). The Committee is devoted to promoting the studies of mathematics, physics and astronomy among girls and women, and is advocating achievements of women in science.

Women of Mathematics throughout Europe is a touring exhibition whose starting point was the 7th ECM held in July 2016 in Berlin. It was, however, extended for the 8ECM, introducing mathematicians from the Euro-Mediterranean region. A new catalogue presenting all speakers is also available for order at: <https://womeninmath.net/catalogue/>

The exhibition is a part of the *May12 movement*, which is celebrating Women in Mathematics and promoting 120 events worldwide. The movement was initiated on 31st July 2018 at the World Meeting for Women in Mathematics, (WM)² in Rio de Janeiro in memory of Maryam Mirzakhani's birthday.

The exhibition Women of Mathematics throughout Europe is open from May 15 to June 30, 2021 in Armerija Palace in Koper, Slovenia (Tito square 4).

“THE STAMPS EXHIBITION” BY ROBIN WILSON

Professor Wilson will be bringing his popular, illustrated lecture on the development of mathematics as portrayed through stamps to the 8ECM. The lecture will accompany an exhibition that features more than 200 stamps from around the world.

There are many hundreds of postage stamps relating to European mathematics, from early methods of counting to the modern computer age. In this exhibition you will meet many of the mathematicians who contributed to this story – influential figures such as Pythagoras and Archimedes, Newton and Leibniz, the Slovenian Jurij Vega, and Einstein – and you will learn about those areas, such as navigation, astronomy, and art, whose study aided this development.

The exhibition is divided into eleven sections: Ancient Greece, Early European Mathematics, Navigation & Astronomy, The 17th Century, The 18th Century, The 19th Century, Mathematical Physics, The 20th Century, Computing, The World of Mathematics, And Miscellaneous Topics.

When: 20 – 26 June 2021

Where: Grand Hotel Bernardin, Portorož, Slovenia

The exhibition will also be available online.

“MATHEMATICS IN COLORS” BY BOGDAN SOBAN

The exhibited images are the result of his more than 30 years of research into the creative possibilities of information technology using mathematics-supported software. For this kind of creative approach,

knowledge of programming and knowledge of mathematics are of primary importance. The sense of artistry is important in the selection of the results offered in unlimited numbers by the described creative process. The process of image formation is presented in more detail below.

He uses his software, developed in the Visual Basic programming language, to generate images. An algorithmic approach is used, which enables a high level of diversity of results with relatively short but mathematically supported software solutions. At each point of the image, a programming algorithm is executed, consisting of mathematical formulas that enter pieces of information, which are constant for the current cycle (genetic code) and variables generated by the process itself. The result of the calculation is the color of the point or the position where to remove the color from the color palette, which plays the role of a key variable. The image coordinate system, the Cartesian and polar coordinate system, and the logic of the complex plane are used to control the image. The whole process is supported by a time-determined random number generator, which supplies the system with random values of various parameters and thus ensures unpredictability and non-repetition of the results. From the viewpoint of mathematics, the following notions appear in the algorithms: complex algebraic expressions, trigonometric and logarithmic functions, plane geometry, iterations and recursions, determination of random numbers in areas, conversion of coordinates between different coordinate systems, control of stochastic motion of a point in plane and space, circular and spiral movements, computation with complex numbers, original formulas for various calculations, number sequences (Fibonacci) and other mathematical operations. The resulting paintings are of the abstract type, which for the most part do not show their mathematical provenance and approach fine art.

Selected generated images are stored in digital form on a suitable digital storage medium. Of course, each image can be made in physical form by printing it in any size on paper, canvas or other substrate. In this way, we come to a point of contact with the field of classical fine arts. Selected works for this exhibition are printed on paper or canvas in the size of 50 x 70 cm.

When: 20 – 26 June 2021

Where: Monfort Salt Warehouses Portorož, Slovenia

The exhibition will also be available online.

"FIVE MATHEMATICIANS FROM MACTUTOR HISTORY OF MATHEMATICS" BY MARKO RAZPET

The exhibition is describing lives and work of Jurij Vega, Franc Mocnik, Josip Plemelj, Ivo Lah, and Ivan Vidav. These five Slovenian mathematicians that are covered by MacTutor History of Mathematics significantly influenced the development of mathematics in Slovenia.

When: 20 – 26 June 2021

Where: Grand Hotel Bernardin, Portorož, Slovenia

The exhibition will also be available online.

ART EXHIBITION "X" BY TEJA KRAŠEK

Center za kulturo, šport in prireditve Izola in cooperation with Alga Gallery will host an exhibition by Teja Krašek, a Slovenian a freelance artist who lives and works in Ljubljana, Slovenia.

Her work concentrates on melding art, science, mathematics and technology. She employs contemporary computer technology as well as classical painting techniques.

Krašek's theoretical, and practical, work is especially focused on symmetry as a linking concept between art and science, and on filling a plane with geometrical shapes, especially those constituting Penrose tilings (rhombs, kites, and darts). The artist's interest is focused on the shapes' inner relations, on the relations between the shapes and between the shapes and a regular pentagon. These artworks illustrate certain properties: golden mean relations, self-similarity, fivefold symmetry, the Fibonacci sequence, inward infinity, perceptual ambiguity, and more.

Teja Krašek's artworks and articles are exhibited and published internationally (MIT Press, Springer, Portland Press, Sterling ...). Her nanoartworks are among the winners of the 2nd, 3rd, 4th, 5th, 6th, and 7th International Online NanoArt Competition.

Two of Krašek's nanoartworks (collaborations with Drs. Janez Dolinšek, Paul Steinhardt, and An Pang Tsai) are among works of 250 artists who will represent Earth's cultural heritage at an eternal exhibition on the Moon (astounding project MoonArk by Carnegie Mellon University).

When: 10 - 23 June 2021

Where: Alga Gallery, Izola

"AN EXHIBITION OF RANDOM ART" BY ANDREJ BAUER

Random art (<http://www.random-art.org/>) is an ongoing online exhibition of computer-generated pictures, authored by Andrej Bauer.

From a random seed, which the visitors provide by entering a string of text, the computer generates a computation circuit describing an image. The text serves as the image title. The exhibition was launched in 2010

and has so far generated almost 300000 pictures. A selection of five prints will be exhibited, among them "Static method()" and "m 37 Bone Coloured Stars"

An addition to this exhibit is a Student Math Art exhibition.

Visualization of mathematics is one of the goals of the Master's course "Mathematics with Computers" at the Faculty of mathematics and Physics, University of Ljubljana. Under the supervision of Professor Andrej Bauer, the students created high quality images of various mathematical objects, such as the Mandelbrot set, the Julia set, zeroes of 01-polynomials, Costa's minimal surface, and the electrostatic potential.

Showcased is the work "Costa's minimal surface", by Jana Cesarek (mentor Andrej Bauer)

When: 20 – 26 June 2021

Where: Monfort Salt Warehouses Portorož, Slovenia



- **PETRA ŠPARL
AWARD
FOR 2020**

The Petra Šparl Award was established in 2017 to recognise in each even-numbered year the best paper published in the previous five years by a young woman mathematician in one of the two journals *Ars Mathematica Contemporanea* (AMC) and *The Art of Discrete and Applied Mathematics* (ADAM). It was named after Dr Petra Šparl, a talented woman mathematician who died mid-career in 2016 after a battle with cancer. The first award was made in 2018 to Dr Monika Pilsniak (AGH University, Poland) for a paper she published in AMC on the distinguishing index of graphs.

The two winners of the Petra Šparl Award for 2020 are Simona Bonvicini (Università di Modena e Reggio Emilia, Italy) and **Klavdija Kutnar** (University of Primorska, Slovenia).

Citations for the award are published in *Ars Mathematica Contemporanea*

<https://amc-journal.eu/index.php/amc/article/view/2321/1488>

THE PETRA ŠPARL AWARD WILL BE ANNOUNCED:

Friday, 25 June 2021, at 11.50 (CEST)



• ABOUT UNIVERSITY OF PRIMORSKA



RESEARCH-ORIENTED UNIVERSITY

The University of Primorska is focusing on niche areas, with the most productive and propulsive research groups focusing on Mathematics, Restorative environmental and ergonomic design, Wood modification and Health prevention. SCIENTIFIC EXCELLENCE is confirmed by numerous awards and recognitions received by university staff. In the last 10 years, we received 3 highest Slovenian scientific awards, the Zois awards for crowning achievements, four Zois recognitions and the award of Ambassador of Science of the Republic of Slovenia. Together with one German and two Slovenian partners, UP established the research institute InnoRenew CoE, focusing on research and innovation in renewable materials and healthy living environments. InnoRenew CoE employs 70 people, including 53 excellent researchers from 17 countries. The most successful journal of the University of Primorska - *Ars Mathematica Contemporanea* (AMC) – was indexed in SCI in 2011, and has remained one of the highest-rated Slovene scientific journals since 2014.

Research areas at University of Primorska: Archaeology, Biology, Communication & media, Computer Science, Cryptography, Dietetics, Economics, Education, Finance, Genetics, Geography, Humanities, Kinesiology, Linguistics, Literature, Management, Mathematics, Physiotherapy, Psychology, Public Health, Renewable, Materials, Social Sciences, and Tourism Studies.

CONNECTED UNIVERSITY

We are connecting different areas of knowledge, fields and environments to achieve complementary benefits for all. International and interdisciplinary approaches are important both, in our research and in our teaching work. UP's recent success can partially be attributed to increased collaboration between and within faculties which followed a rejuvenating transformation of the university in 2016. New PhD projects, specifically designed to combine disciplines, were started to enhance collaboration between faculties, spur innovation, and develop novel insights.

UP has achieved and exceeded its strategic goals in the field of internationalisation. During the 2011-2021 period, UP sought to play a more decisive role in the international environment and increased its share of foreign students from two percent in the 2011/12 academic year to 15 percent in the 2020/21 academic year.

UP successfully bid to organise and host the 8th European Congress of Mathematics (8ECM), which will be implemented on-line in June 2021. This will be the largest event this year in mathematics and 1,500 researchers and doctoral students from across Europe and the world will attend.

In addition, UP holds 10-15 international conferences and workshops each year, bringing together diverse regional, national, and international partners. UP and M. V. Lomonosov Moscow State University established the Lomonosov MSU Branch in Koper. Its main purpose is to educate and promote economic cooperation between European countries and Russia. Two unique master's study programmes are offered: Economics and Finance and Mathematical Sciences. Enrolled students study one year in Koper and one year in Moscow, obtaining a double degree at the end of their studies.

FUTURE-ORIENTED UNIVERSITY

VISION

Through its scientific research, educational and artistic activities and its commitment to the local and wider society, UP is building and consolidating its position as a respected and excellent university in the global academic arena. UP is achieving high quality, inclusive and sustainable scientific, educational and artistic work in harmony with strategy Society 2050 with the principles of participatory science and the balance of humanities, social sciences and arts with natural sciences and (bio)technology.

MISSION

UP's mission is to contribute to the global knowledge base through constructive cooperation and courageous competition in the global university space. At the same time, it draws ideas and solutions for the development of cooperation with society and the industries in which it operates, from within Slovenia and throughout Europe. In accordance with the Statute of the University of Primorska, UP realizes its mission through scientific research, pedagogical, artistic and professional work, thus assuming responsibility for the successful placement of Slovenia in the world. Its work is guided by the National Higher Education Programme, National Research and Development Programme, other strategic documents of the Republic of Slovenia and the Guidelines for the Development of the Single European Higher Education and Research Area.

UNIVERSITY IN NUMBERS (2020/2021)

Students	6,089
Foreign students	942
Share of foreign students %	15.5 %
Teaching and research staff	449
Other staff	236
Visiting staff (annually)	150+
SCI articles	330 (in 2020)
Building ownership (m2)	25,961
Equipment (EUR)	12.83 million
Student residences (beds)	386
Annual budget (EUR)	28.42 million
Annual budget (public financing of teaching) (EUR)	18.12 million



- **SLOVENIAN DISCRETE AND
APPLIED MATHEMATICS
SOCIETY – SDAMS**



The Slovenian Discrete and Applied Mathematics Society was founded in Koper, Slovenia, on 14 December 2016. The aim of this society is to promote the mathematical sciences, with special emphasis given to discrete and applied mathematics. It has members, fellows and honorary members. The Society is internationally oriented as 30 % of its members are foreign nationals. The society is research-aimed, and organises or co-organises about 3 scientific meetings per year. It also publishes scientific literature, for instance the monograph *Noncommutative Lattices* by Jonathan E. Leech. It is also involved in publishing mathematical journals *Ars Mathematica Contemporanea* and *The Art of Discrete and Applied Mathematics*, both covered by zbMATH. Since 2018 the Society is a full member of the EMS and a co-organiser of the 8ECM.

The membership application form can be obtained here:

<http://sdams.si/en/become-a-member>



• ARS MATHEMATICA CONTEMPORANEA – AMC



Ars Mathematica Contemporanea (AMC) is a platinum open access journal that was founded in 2008. It publishes high-quality articles in contemporary mathematics that arise from the discrete and concrete mathematics paradigm. It favors themes that combine at least two different fields of mathematics. In particular, papers intersecting discrete mathematics with other branches of mathematics, such as algebra, geometry, topology, theoretical computer science, and combinatorics are most welcome. The name of the journal was chosen carefully. Symmetry is certainly a theme that is quite welcome to the journal, as it is through symmetry that mathematics comes closest to art. The name emphasizes that work, skill and art (three possible translations of the word *ars*), as exemplified by the well known proverbs *Ars longa vita brevis* and *Ars sine scientia nihil est*, are necessary to produce good contemporary mathematics, and that applications and connections should encompass a large variety – including art.

AMC is published by the University of Primorska in collaboration with IMFM, the Slovenian Discrete and Applied Mathematics Society and the Slovenian Society of Mathematicians, Physicists and Astronomers.

In 2015 the Ars Mathematica Contemporanea Journal (AMC) was ranked as the best Slovene scientific journal. Its impact factor for 2015 was **0.985**, which landed the journal in the top quartile for scientific journals in the field of mathematics.

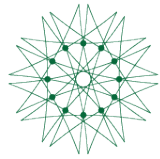
This journal was launched in 2008 by Tomaž Pisanski and Dragan Marušič. Together with an international editorial team they are still managing the journal. AMC is covered by MathSciNet, zbMATH, COBISS, SCOPUS, Science Citation Index-Expanded (SCIE), Web of Science, ISI Alerting Service, Current Contents (CC/PC & ES), and dblp.

For more information on submissions, please refer to the AMC website:

<https://amc-journal.eu>



• THE ART OF DISCRETE AND APPLIED MATHEMATICS – ADAM



THE ART OF DISCRETE AND
APPLIED MATHEMATICS

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