



Société Mathématique de Tunisie

News-letter: Février 2018

NEWS

- ECMTB 2018: The 11 th European Conference on Mathematical and Theoretical Biology (ECMTB 2018) will be held in Lisbon, Portugal, from 23 to 27 July, 2018. Abstract Submission for Contributed Talks and Posters closes on 20 February 2018. The template for abstract preparation is available. The ECMTB 2018 Organizing Committee is setting up a Mentorship Program to facilitate research and career interactions between junior and senior scientists attending the meeting. Participants of ECMTB 2018 can sign up to be part of the mentorship program, either as a mentee, a mentor, or both. If you wish to participate in the Mentorship Program at ECMTB 2018, please fill in the [REGISTRATION FORM](#) not later than May 10th, 2018. You can find more information about the ECMTB 2018 Mentorship Program [here](#).

- The IPC for ICMI Study 24 School Mathematics Curriculum Reforms: Challenges, Changes and Opportunities invites submissions of contributions of several kinds which include: research papers related to school mathematics curriculum reform issues; theoretical, cultural, historical, and epistemological essays (with deep connection to curriculum reforms); discussion and position papers analysing curriculum policy and practice issues; synthesis and meta-analysis reports on empirical studies; reviews of curriculum reform efforts, especially at macro levels; and papers on comparative studies in curriculum reform initiatives.
 - Authors must select one theme from among the five described in the ICMI Study 24 Discussion Document to which their paper must be submitted.
 - Authors are expected to consider the questions listed below each theme in the Discussion Document in making their decision to submit papers.
 - To ensure a rich and varied discussion, participation from countries with different economic capacity, and different social, political and cultural heritage and practices is encouraged.
 - The IPC encourages people who are not familiar with such conferences to submit early and request assistance for finalising their contribution (by 28 February, 2018 - this ICMI Study 24 Discussion Document assistance concerns the choice of the paper topic, theme or structure, not the editing of English language). In this way, the IPC supports a tradition of helping newcomers to the international mathematics education community.

- An invitation to the conference does not imply that a formal presentation of the submitted contribution will be made during the conference or that the paper will appear in the study volume published after the conference.

Submission:

- A template for the submission of papers is available on the ICMI Study 24 website: <http://www.human.tsukuba.ac.jp/~icmi24/>
- Papers prepared in English (the language of the Study Conference) according to the template and a maximum of 8 pages must be submitted by the deadlines set out below.

Deadlines:

- 30 April, 2018: Submissions must be made online no later than 30 April, 2018, but earlier if possible.
- 30 June, 2018: Papers will be reviewed, decisions made about invitations to the conference, and notification of these decisions will be sent to the corresponding/main author by the end of June.

Information about registration, visa application, costs, and details of accommodation may be found on the <http://www.human.tsukuba.ac.jp/~icmi24/>.

The Study Conference will be held in Tsukuba/Japan 25-30, November 2018. For further questions, please contact the Co-chairs: Yoshinori Shimizu and Renuka Vithal: <http://www.human.tsukuba.ac.jp/~icmi24/ipc>

- The Aga Khan University (AKU), Institute for Educational Development East Africa is organising the fifth Africa Regional Congress of ICMI on Mathematical Education (AFRICME). The AFRICME was launched in 2005 and aims to offer a forum for mathematics educators throughout Africa. This event will take place at the AKU campus in Dar es Salaam, Tanzania from August 29-31, 2018.
- Calling Outstanding Young Researchers: The application process for the 6th Heidelberg Laureate Forum closes in 3 weeks, February 9, 2018. Young researchers in computer science and mathematics from all over the world can apply for one of the 200 coveted spots to participate in the Heidelberg Laureate Forum (HLF), an annual networking event. The HLF offers all accepted young researchers the great opportunity to personally interact with the laureates of the most prestigious prizes in the fields of mathematics and computer science. For one week, the recipients of the Abel Prize, the ACM A.M. Turing Award, the ACM Prize for Computing, the Fields Medal, and the Nevanlinna Prize engage in a cross-generational scientific dialogue with young researchers in Heidelberg, Germany.
- The application period for the 6th HLF runs from November 6, 2017 until February 9, 2018. Young researchers at all phases of their careers (undergraduate, graduate PhD or postdoc) are encouraged to complete and submit their applications by February 9 (midnight at the dateline) via the following link: <http://application.heidelberg-laureate-forum.org>

The 6th HLF will take place from September 23 to 28, 2018 (with young researcher registration on September 22). This prominent, versatile event combines scientific, social and outreach activities in a unique atmosphere, fueled by comprehensive exchange and scientific inspiration. Laureate lectures, young researcher workshops and a structure welcoming unfettered discussions are the elements that compose the Forum's platform. Over the course of the week-long HLF, young researchers will be given the exclusive possibility to profoundly connect with their scientific role models and find out how the

laureates made it to the top of their fields. All applications that are completed and submitted by the deadline are meticulously reviewed by an international committee of experts to ensure that only the most qualified candidates are invited. There are 100 spaces available for each discipline of mathematics and computer science. All applicants will be notified by the end of April 2018 whether or not they will be invited. For questions regarding requirements and the application process, please contact Young Researchers Relations at: yr@heidelberg-laureate-forum.org

For more information, please visit: www.heidelberg-laureate-forum.org

- MAJDI BEN HALIMA: A brilliant mathematician turned off at early age: by Ali Baklouti
<http://www.tms.rnu.tn/cv/mbh.pdf>
- Vidéos des conférences d'Ivar Ekeland à Tunis:
<https://www.youtube.com/watch?v=8381exkzZoI>
<https://www.youtube.com/watch?v=IE73hDOirUY>
- **Les revues MSP:** Les revues **MSP** (Mathematical Sciences Publishers) sont désormais accessibles librement via le portail Math jusqu'au 31 mars 2018.
Il s'agit de :
 - Innovations in Incidence Geometry Algebraic, Topological and Combinatorial (à venir)
 - Tunisian Journal of Mathematics (à venir)
 - Algebra & Number Theory
 - Algebraic & Geometric Topology
 - Analysis & PDE
 - Annals of K-Theory
 - Communications in Applied Mathematics and Computational Science
 - Geometry & Topology
 - Involve, a Journal of Mathematics
 - Journal of Software for Algebra and Geometry
 - Mathematics and Mechanics of Complex Systems
 - Pacific Journal of Mathematics
- **International Master in Mathematical Physics**
Institut de Mathématiques de Bourgogne Université de Bourgogne. Dijon, France
Academic year: 2018-2019. The Department of Mathematics of the Université de Bourgogne offers in a one- or two-year master program in Mathematical Physics.
Advanced students may be admitted to the 2nd year of the Master. Students who will successfully complete the M.Sc. program will be encouraged to apply to one of the Ph.D. fellowships that will be available for pursuing their studied in Dijon at the doctorate level.
The main aim of this program is to provide advanced lectures on the mathematical methods of modern theoretical physics in the framework of mathematics cursus. We offer lecture courses for the students with background in mathematics or mathematical physics giving an introduction to the mathematical methods used for such branches of

theoretical physics as quantum field theory, statistical mechanics, general relativity, gauge theories, string theory etc. The coursework will cover different fields of mathematics (algebra, geometry, analysis) and will highlight their applications to the problems of theoretical and mathematical physics.

The student will be integrated from the very beginning into the mathematical physics group of the IMB (Institut de Mathématiques de Bourgogne) and will have to prepare by the end of their 2nd year a master dissertation under the supervision of a member of the Institute. The offered courses will include:

1st year of the Master (M1)

Differential geometry

Fourier analysis

Functional analysis

Groups and representations

Mathematical methods of classical mechanics

Partial differential equations

Quantum Mechanics

Numerical methods

2nd year of the Master (M2)

Mathematical methods of quantum physics

Riemann geometry and integrable systems

Lie groups and Lie algebras

Quantum groups

Cohomological field theories

Mathematical methods of gravitation

All the lectures will be given in English. We will also provide several mini courses by the research visitors of the IMB as well as by invited professors in the framework of the Erasmus program.

We expect to have up to 10 fellowships for students. The interested candidates are strongly advised to already get in touch with us, and send a cv to:

For admission in M1: Giuseppe.Dito@u-bourgogne.fr

For admission in M2: Nikolai.Kitanine@u-bourgogne.fr

➤ **Tunisian Journal of Mathematics (TJM).**

La Société Mathématique de Tunisie a le plaisir d'annoncer le lancement d'un nouveau journal international, le Journal Tunisien de Mathématiques (Tunisian Journal of Mathematics TJM), doté d'un comité éditorial de très haut niveau.

Cette nouvelle publication a été organisée par la Société Mathématique de Tunisie et est publiée sous forme électronique et imprimée par MSP à Berkeley. Elle publie des articles de recherche dans tous les domaines des mathématiques.

Ceux-ci sont sélectionnés par un comité éditorial international éminent, sur des critères de qualité et d'intérêt, et selon les normes internationales les plus élevées.

Le but de TJM est l'avancement des mathématiques. Les éditeurs évaluent les articles soumis exclusivement sur la base du mérite scientifique. Tous les articles soumis à cette

revue sont examinés par des pairs. Le TJM utilise un processus d'évaluation unique par les pairs (blind peer-review), ce qui signifie que les rapporteurs savent qui sont les auteurs du manuscrit, mais les auteurs ne savent pas qui sont les pairs examinateurs.

Le continent africain s'intéresse de plus en plus au développement scientifique, en particulier en mathématiques. La Société Mathématique de Tunisie a été fondée en 1992 et est membre institutionnel permanent de l'Union Mathématique Internationale. Elle joue un rôle majeur dans la stimulation et le maintien d'une recherche mathématique de haut niveau en Tunisie et dans sa région environnante. Avec le lancement de cette revue, la Société Mathématique de Tunisie contribue au développement en Afrique d'une recherche scientifique répondant à des normes internationales élevées.

Le comité de rédaction de TJM invite les mathématiciens du monde entier à participer à ce projet stimulant en lui soumettant des articles de recherche de haut niveau.

La SMT exprime ses souhaits de succès au Journal Tunisien de Mathématiques.

- Le « Tunisian Journal of Mathematics » sur le site de l'IHES:

<https://www.ihes.fr/nouvelle-revue-internationale-de-mathematiques/>

<https://www.ihes.fr/en/new-international-mathematics-journal/>

- Les maths Campus : une idée à reproduire au Maghreb

<http://mathcamp.brockubeta.ca/>

- Accord de réciprocité entre la SMT et la SMF

<http://smf.emath.fr/content/accords-de-reciprocite>

- Les conférenciers du congrès international des mathématiciens ICM2018

<http://www.icm2018.org/portal/en/icm-speakers>

UPCOMING EVENTS

- **Congrès annuel de la société mathématiques de Tunisie (CSMT18):**
19-22 Mars 2018 à Tabarka.

- **La 3^{ème} conférence de mathématiques Gafsa 2018.**
Gafsa, 26-28 Mars 2018.

<http://www.tms.rnu.tn/cv/mcg2018.pdf>

- **Spring school : Economy, Finance and Ordered Spaces.**
March, 26-30, 2018. Faculty of Sciences of Tunis.

<http://ordre.tn/spring-school/>

- **13^{ème} colloque Maghrébin sur l'histoire des mathématiques arabes (COMHISMA13) :**

30 -31 MARS ET 1^È AVRIL 2018 EN TUNISIE.

Contact : mahdi.abdeljaouad@gmail.com

➤ **Order and Banach Spaces and applications in Economy.**
Tunis Sciences City: April, 2-6, 2018.
<http://ordre.tn/workshop-obse/?i=1>

➤ **Ecole CIMPA 2018: CONTRÔLE, PROBLÈMES INVERSES ET GÉOMÉTRIE :**
18-28 avril 2018 à Hammamet.
<http://lamsin.enit-lr.tn/cimpa18-Tunisie/>

➤ **Ecole d'été : Polynômes Orthogonaux et Fonctions Spéciales :**
Ecole Supérieure des Sciences et de Technologie de Hammam Sousse. 25-29 juin 2018.
<http://www.essths.rnu.tn/OPSF-S8/acceuil.html>

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Abstract submission for contributed talks and posters closed on 20 February 2018. The template for abstract preparation is available.
Registration: <https://docs.google.com/forms/d/e/1FAIpQLSfxtMwIqoHc4z2jrX5aZg2-2fJdrUMINsi991zDtEX2JsARTA/viewform>

Pour le Bureau de la SMT
Ali Baklouti, Président

