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# Mathematics Calendar

## October 2010

\* 21–22 **Workshop on Algebra and Its Applications**, Faculty of Basic Sciences, Department of Pure Mathematics, Ardebil, Islamic Republic of Iran.

**Description:** The organizing committee cordially invite you to participate in the Workshop on Algebra and Its Applications which will be held in Ardebil, Iran, from October 21–22, 2010. The primary goal of this workshop is to bring together researchers from all fields of algebra. Secondary goal is to provide graduate students and junior researchers with a rich and interesting set of new problems to work on.

**Information:** <http://www.uma.ac.ir/enalgwork>.

\* 25–29 **Workshop 2: Circadian Clocks in Plants and Fungi**, Mathematical Biosciences Institute, The Ohio State University, Columbus, Ohio.

**Description:** Circadian (24-hour) rhythms control the timing of many biological processes including leaf movements in plants and sporulation in fungi. Advances in understanding the biological mechanism of plant and fungal clocks have also helped inspire clock research in higher organisms. This workshop brings together theorists and experimentalists to better understanding timekeeping in plants and fungi and how they relate to clocks in higher organisms.

**Information:** <http://www.mbi.osu.edu/2010/ws2description.html>.

## November 2010

\* 5–6 **Current Topic Workshop: Blackwell-Tapia Conference**, Mathematical Biosciences Institute, The Ohio State University, Columbus, Ohio.

**Description:** This is the sixth in a series of biannual conferences honoring David Blackwell and Richard Tapia, two seminal figures who inspired a generation of African-American, Native American and Latino/Latina students to pursue careers in mathematics. 2010 Blackwell-Tapia Prize: The National Blackwell-Tapia Committee is pleased to announce that the 2010 Blackwell-Tapia Prize will be awarded to Dr. Trachette Jackson (Department of Mathematics, University of Michigan). This prize is awarded every second year in honor of the legacy of David H. Blackwell and Richard A. Tapia. Special Event: Dr. Richard Tapia will give a public lecture at the Columbus Science Museum (COSI) on Thursday evening, November 4, at 7:00 pm. Admission is free and the public is welcome.

**Information:** <http://www.mbi.osu.edu/2010/ctwdescription.html>.

\* 17–21 **International conference on functional analysis dedicated to the 90th anniversary of Professor V. E. Lyantse**, Lviv National University, Lviv, Ukraine.

**Description:** The conference will be focused on (but not limited to) the following areas of functional analysis: Operator Theory, Methods

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**This section** contains announcements of meetings and conferences of interest to some segment of the mathematical public, including ad hoc, local, or regional meetings, and meetings and symposia devoted to specialized topics, as well as announcements of regularly scheduled meetings of national or international mathematical organizations. A complete list of meetings of the Society can be found on the last page of each issue.

**An announcement** will be published in the *Notices* if it contains a call for papers and specifies the place, date, subject (when applicable), and the speakers; a second announcement will be published only if there are changes or necessary additional information. Once an announcement has appeared, the event will be briefly noted in every third issue until it has been held and a reference will be given in parentheses to the month, year, and page of the issue in which the complete information appeared. Asterisks (\*) mark those announcements containing new or revised information.

**In general**, announcements of meetings and conferences carry only the date, title of meeting, place of meeting, names of speakers (or sometimes a general statement on the program), deadlines for abstracts or contributed papers, and source of further information. If there is any application deadline with respect to participation in the meeting, this fact should be noted. All communications on meetings and conferences

in the mathematical sciences should be sent to the Editor of the *Notices* in care of the American Mathematical Society in Providence or electronically to [notices@ams.org](mailto:notices@ams.org) or [mathcal@ams.org](mailto:mathcal@ams.org).

**In order** to allow participants to arrange their travel plans, organizers of meetings are urged to submit information for these listings early enough to allow them to appear in more than one issue of the *Notices* prior to the meeting in question. To achieve this, listings should be received in Providence **eight months** prior to the scheduled date of the meeting.

**The complete listing** of the Mathematics Calendar will be published only in the September issue of the *Notices*. The March, June/July, and December issues will include, along with new announcements, references to any previously announced meetings and conferences occurring within the twelve-month period following the month of those issues. New information about meetings and conferences that will occur later than the twelve-month period will be announced once in full and will not be repeated until the date of the conference or meeting falls within the twelve-month period.

**The Mathematics Calendar**, as well as Meetings and Conferences of the AMS, is now available electronically through the AMS website on the World Wide Web. To access the AMS website, use the URL: <http://www.ams.org/>.

of Nonstandard Analysis, Banach Space Theory, Infinite-Dimensional Holomorphy, Topological Methods in Functional Analysis.

**Languages:** The official languages of the conference are English, Ukrainian, and Russian.

**Fee:** The conference fee is UHR 150 for participants from Ukraine and the former CIS and EUR 100 for foreign participants, to be paid in cash upon registration.

**Deadline:** For the registration form and abstract of report: October 1, 2010.

**Information:** Further particulars can be found on the webpages: <http://www.franko.lviv.ua/faculty/mechmat/Departments/cf/index.html> or <http://topos.if.ua/conference/index.html>.

### December 2010

\* 4–5 **Palmetto Number Theory Series XIV**, University of South Carolina, Columbia, South Carolina.

**Description:** The Palmetto Number Theory Series (PANTS) is a series of number theory meetings held in South Carolina, the Palmetto State, and other places in the Southeast. The core members of the PANTS consortium are Clemson University University of South Carolina.

**Information:** <http://www.math.sc.edu/~boylan/seminars/pantshome.html>.

\* 6–10 **34ACCMCC: The 34th Australasian Conference on Combinatorial Mathematics & Combinatorial Computing**, The Australian National University, Canberra, Australia.

**Description:** The Australasian Conference on Combinatorial Mathematics and Combinatorial Computing is the annual conference of the Combinatorial Mathematics Society of Australasia. This year it will be held at the Australian National University in Canberra, Australia. The conference covers all areas of combinatorics in mathematics and computer science. The first two days of the conference will run concurrently with the Annual Australian Statistical Mechanics Meeting.

**Information:** <http://www.maths.anu.edu.au/events/34accmcc/34accmcc.html>.

\* 10–14 **School on Information and Randomness 2010**, Universidad de la Frontera, Pucón, Chile.

**Topics:** This school will cover topics in random processes, ergodic theory, heat kernel and potential theory, Lévy processes, coalescent and fragmentation theory, stochastic differential equations, percolation theory, finance, probabilistic algorithms and particle systems, and we look forward to seeing the latest developments in these areas.

**Support:** There are a few fellowships, travel support, and living expenses, especially for Chilean and Latin-American students. Qualifying individuals need to fill out the Online Registration Form and send their curriculum vitae to the secretary of the school before October 31, 2010.

**Courses:** 1. Julien Berestycki (Univ. Paris VI) “Universality of the Bolthausen-Sznitman coalescent: conjectures, challenges and results”, 2. David Damanik (Rice Univ.) “Ergodic Schrödinger Operators”, 3. Renming Song (Univ. Illinois at Urbana-Champaign) “Sharp estimates on the heat kernels and Green functions of symmetric Levy processes in open sets”.

**Information:** <http://www.ir2010.dim.uchile.cl/>.

### January 2011

\* 14–16 **2011 International Conference on Intelligent Structure and Vibration Control (ISVC 2011)**, Chongqing, China.

**Description:** Only original and unpublished papers will be considered.

**Information:** email: [icisvc2011@gmail.com](mailto:icisvc2011@gmail.com); <http://www.theiast.org/isvc2011>.

\* 31–March 4 **Complex and Riemannian Geometry**, CIRM, Marseille, France.

**Description:** This thematic month—five weeks of conferences and courses—focuses on complex and riemannian geometry. It is located

at CIRM, International Center for Mathematical Meetings, which offers very comfortable facilities in a beautiful frame. Program: Week 1: Complex Analysis Winterschool/Workshop & Applications. Week 2: Extremal metrics: evolution equations and stability. Week 3: Analytic aspects of complex algebraic geometry. Week 4: Non Kählerian aspects of complex geometry. Week 5: Geometric flows in finite or infinite dimension. In order to encourage Ph.D. students, postdocs and young researchers to participate in these events, we have special fundings for those who would like to attend several weeks of conferences. If you are interested in participating or wish to have more information, contact us using the link below.

**Information:** <http://www.latp.univ-provence.fr/geom2011/index.php/welcome>.

### February 2011

\* 18–20 **Second International Conference on Emerging Applications of Information Technology (EAIT 2011)**, Kolkata, India.

**Organizer:** Computer Society of India, Kolkata Chapter; Technically Co-Sponsored by IEEE Computer Chapter, Calcutta Section. Conference Proceedings to be published by IEEE Computer Society Conference Publishing Services and digitally available in IEEE Xplore.

**Deadline:** Last date of full paper submission: August 15, 2010.

**Information:** Please check conference website regularly for updates and announcements. Conference url for contacts and latest updates: <http://sites.google.com/site/csieait2011>. Paper submission website: <http://cmt2.research.microsoft.com/csieait2011>. For queries, please send email: [csieait2011@gmail.com](mailto:csieait2011@gmail.com). <http://sites.google.com/site/csieait2011/>.

\* 19–20 **Palmetto Number Theory Series XV**, Clemson University, Clemson, South Carolina.

**Description:** The Palmetto Number Theory Series (PANTS) is a series of number theory meetings held in South Carolina, the Palmetto State, and other places in the Southeast. The core members of the PANTS consortium are Clemson University and University of South Carolina.

**Information:** <http://www.math.clemson.edu/~jimlb/PANTS/PANTS15/pants15.html>.

### March 2011

\* 17–19 **The 45th Annual Spring Topology and Dynamical Systems Conference**, University of Texas at Tyler, Tyler, Texas.

**Sessions:** In addition to 18 invited speakers, there will be special sessions in Continuum Theory, Dynamical Systems, Geometric Group Theory, Geometric Topology, and Set-theoretic Topology.

**Information:** <http://www.math.uttyler.edu/sgraves/STDC2011/>.

\* 28–April 1 **International workshop: Unlikely intersections in algebraic groups and Shimura varieties**, Scuola Normale Superiore, Centro di Ricerca Matematica Ennio De Giorgi, Pisa, Italy.

**Description:** This workshop, sponsored by AIM, Scuola Normale Superiore, and the NSF, will explore the recent conjectures on “unlikely intersections” due to Zilber, Pink, and Bombieri-Masser-Zannier, and related or analogous problems in model theory, diophantine geometry, and arithmetic dynamics.

**Information:** <http://aimath.org/ARCC/workshops/zilberpink.html>.

### April 2011

\* 2–3 **Midwest Graduate Student Topology and Geometry Conference**, Michigan State University, East Lansing, Michigan.

**Description:** This is the 9th Annual Graduate Student Topology and Geometry Conference. Plenary talks will be given by Ralph Cohen, John Etnyre, and Karsten Grove, and open problem sessions will be led by Matthew Hedden, Teena Gerhardt, Jean-Francois Lafont, and Dave Futer. Most of the conference will consist of graduate student talks from many different fields of topology and geometry. This conference provides a chance for graduate students to gain experience

giving conference presentations, learn about disciplines not represented at their schools, learn about open problems in the field, and meet a community of researchers.

### June 2011

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\* 13-16 **2011 International Conference on Applied Mathematics and Interdisciplinary Research**, Nankai University, Tianjin, China.

**Second Location:** June 16, 2011: Computational Science Research Center, Beijing, China.

**Description:** Interdisciplinary interaction has emerged as an important mode of research as the boundaries between traditional disciplines are evolving, emerging, and redefining. This is especially true in applied and computational mathematics, medicine, sciences and engineering community. Applied and computational mathematics has traditionally maintained a strong tie with science and engineering communities. They have permeated into medicine and social sciences in the past half century as well. Now, with the rapidly changing landscape in scientific territory, they are facing new challenges so that the community must actively engage in and adopt the interdisciplinary research paradigm. This conference aims at bridging applied and computational mathematics with some well selected scientific and engineering disciplines, especially, computational sciences, physical sciences, biomedical sciences and engineering, and facilitating cross-disciplinary research activities.

**Themes:** • Analytic methods for partial differential equations, applied analysis, and applied dynamical systems. • Numerical methods for computational sciences, numerical optimization, and high performance computing. • Modeling and computation of condense matter materials, soft matter and complex fluids. • Modeling and computation of complex systems in biological and medical sciences. • Stochastic methods for science and engineering. The conference features a group of invited speakers with expertise in an area of the conference themes and solicits contributed papers as well to provide a scientifically stimulating environment for participants to showcase their state-of-the-art research in applied and computational mathematics and interdisciplinary research.

**Sponsors:** Chern Institute of Mathematics; School of Mathematical Sciences, Nankai University; Nankai Institute of Scientific Computing; Beijing Computational Science Research Center; State Key Laboratory of Scientific and Engineering Computing (LSEC), CAS.

### July 2011

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\* 4-10 **International Conference on Topology and its Applications (ICTA), 2011**, Department of Mathematics, COMSATS Institute of Information Technology (CIIT), Islamabad, Pakistan.

**Aim:** To bring together experts and young researchers in the field of topology from Pakistan and abroad. In this way it is hoped to foster ties between topologists in different countries and further the study of topology and its applications. There will be 50-minute key note lectures and 25-minute contributory talks in the first 4 working days. There will be an excursion to the beautiful Kaghan Valley in the last 3 days.

**Information:** For further details contact any of the emails: [icta@comsats.edu.pk](mailto:icta@comsats.edu.pk) and [icta2011pk@gmail.com](mailto:icta2011pk@gmail.com); <http://ww2.ciit-isb.edu.pk/math/>.

\* 12-15 **The 6th SEAMS-GMU 2011 International Conference on Mathematics and Its Applications; Workshop on Financial Mathematics and Workshop on Dynamical System in Biology**, Gadjah Mada University, Yogyakarta, Indonesia.

**Description:** Following the commitment in mathematical activities to SEAMS (South East Asian Mathematical Society), once in every four years Gadjah Mada University in cooperation with SEAMS organize an International Conference on Mathematics and its Applications in Yogyakarta, Indonesia. The first SEAMS-GMU Conference was held in 1991 and the last (fifth) conference was held in 2007. The scientific

program will include invited lectures, contributed presentation and workshops.

**Information:** <http://seams2011.fmipa.ugm.ac.id/>.

### September 2011

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\* 7-9 **IMA Hot Topics Workshop: Instantaneous Frequencies and Trends for Nonstationary Nonlinear Data**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota.

**Description:** In this workshop, we will explore the issues involved in trend determination and instantaneous frequency. This workshop will bring together experts from these areas to exchange ideas and identify new research opportunities for this emerging research area. One of the main objectives of the workshop is to promote research that leads to the discovery and understanding of the underlying processes in order to provide a base for building predictive models. An extension of the trend study is the problem of regression, which is also of great interest to a broad research community, including the econometrics/finance community.

**Information:** See <http://www.ima.umn.edu/2011-2012/SW9.7-9.11/>.

\* 19-23 **IMA Workshop: High Dimensional Phenomena**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota.

**Description:** The time is ripe to foster a direct cross-fertilization between the communities in geometric functional analysis, high dimensional geometry and probability and various information theory communities. This workshop will bring together researchers from these communities, including those already at work at the interface, as well as young investigators entering one of the fields.

**Information:** See <http://www.ima.umn.edu/2011-2012/W9.19-23.11/>.

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**The following new announcements will not be repeated until the criteria in the next to the last paragraph at the bottom of the first page of this section are met.**

### October 2011

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\* 24-28 **IMA Workshop: Large Graphs: Modeling, Algorithms and Applications**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota.

**Description:** The focus of the workshop will be on the mathematical, algorithmic, and statistical questions that arise in graph-based machine learning and data analysis, with an emphasis on graphs that arise in the above settings, as well as the corresponding algorithms and motivating applications. Thus, this workshop will be an opportunity for researchers from diverse fields to get together and share problems and techniques for handling these graph structures. The connections "mathematical, computational, and practical" that arise between these seemingly diverse problems and approaches will be emphasized.

**Information:** See <http://www.ima.umn.edu/2011-2012/W10.24-28.11/>.