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International Conference and School for Young Scientists on Mathematical Methods and Models in Biosciences University Center "Bachinovo", Blagoevgrad Bulgaria, 14-19 June 2015

FIRST CALL FOR PAPERS

www.biomath.bg/2015

The annual international conference on Mathematical Methods and Models in Biosciences (BIOMATH) will take place from 14th to 19th June 2015 at the University Center "Bachinovo", Blagoevgrad, Bulgaria, and will be hosted by the [South-West University "N. Rilski"](http://www.biomath.bg/2015). The conference is devoted to recent research in life sciences based on applications of mathematics as well as mathematics applied to or motivated by biological studies. It is a multidisciplinary meeting forum for researchers who develop and apply mathematical and computational tools to the study of phenomena in the broad fields of biology, ecology, medicine, biotechnology, bioengineering, environmental science, etc. The conference presents a range of invited keynote speakers, contributed research papers, poster sessions, hot topic and open problems sessions, software demonstrations and scholarly publisher's exhibition. The event will take place immediately following the annual Sixth International Conference of the Faculty of Mathematics and Natural Sciences at the South-West University, 10-14 June 2015: <http://www.fmns.swu.bg/index.html>

Registration Fees

Regular Registration Fee (by 15 May 2015):	240 Euro
Late Registration Fee (at conference desk):	280 Euro

The registration fee covers conference materials and publications, tea/coffee breaks and official dinner. Excursions are not included in the fee and will be announced later on. PhD students receive 50% reduction. Supervisor's letter is required. Full board at the hotel complex of University Center "Bachinovo" (bed, breakfast, launch and dinner for 50 euro per day) is available and has to be booked/paid directly at the hotel, see: <http://www.biomath.bg/2015/accomodation.php>

Important Dates and Deadlines:

Abstract submission and pre-registration:	31 March 2015
Notification of acceptance:	15 April 2015
Registration (regular):	15 May 2015
Arrival day:	14 June 2015 (Sunday)
Conference sessions and events:	15-19 June 2015
Departure day:	20 June 2015 (Saturday)

Papers Submission

The [Biomath Communications](#) journal publishes in a continuous publication mode, papers for Special issues are due October 2015 (exact information to be announced).

Meeting Format

The meeting is expected to consist of invited keynote lectures, contributed presentations (oral or poster) and School of Young Scientists (SYS) sessions.

- Each keynote lecture is a 30 or 40 minute talk followed by a 5 minute discussion
- Each contributed presentation is either a poster or a 20 minute oral presentation (talk) followed by a 5 minute discussion.
- SYS sessions consist of hot topic/open problems sessions and discussions with SYS moderators; contributions of young scientists and keynote lectures are considered as part of the SYS.

History/Support

The conference continues a tradition of scientific meetings on biomathematics held in Bulgaria since 1995. It is supported by several research units of the [Bulgarian Academy of Sciences](#)---BAS (the Institutes of [Mathematics and Informatics](#), [Mechanics, Information and Communication Technologies](#), [Microbiology](#), [Molecular Biology](#), [Chemical Engineering](#), [Biophysics and Biomedical Engineering](#), [Neurobiology](#), [Biodiversity and Ecosystem Research](#)) and three Universities ([Sofia University "Kl. Ohridski"](#), [Plovdiv University "Paisii Hilendarski"](#), [South-West University "N. Rilski"](#)), as well as the [Union of the Bulgarian Mathematicians](#). The conference is also supported by the [European Society for Mathematical and Theoretical Biology \(ESMTB\)](#).

Abstract Submission Instructions

BIOMATH 2015 invites the submission of original research contributions to be considered for presentation and publication. Papers should not duplicate work already published or submitted for consideration elsewhere. Participants need to submit a one-page abstract indicating clearly the significance of the reported results for the advancement of knowledge in bioscience, biotechnology etc. **Abstract Submission and Pre-registration** are integrated on the website of the [Biomath Communications](#) journal.

Please, use the latex template [sample_abstract.tex](#) with the style [CBabstract.cls](#) to write an abstract of your talk/poster. The abstract should not exceed one page. It should be uploaded to issue 2 (1) of [Biomath Communications](#) journal (to be open in January 2015). You need to register with the website or use an existing account. Log in as author to make a submission. Please, upload a **pdf file** as your main submission and the **Latex source file** as a supplementary file. In exceptional circumstances abstracts will be accepted in plain text or Word. However, these should not contain any special symbols, formulas or figures. The metadata of the submission will be used to make the name tags and compile the list of participants. If you do not intend to present a talk, please, make an empty submission (no files uploaded) where "No talk to be presented" is entered as a title. For any enquiries regarding abstract submission, please, contact Elena Nikolova (elena at imbm.bas.bg).

No more than one talk is permitted to each participant. Submission + registration is via OJS, at the [Biomath Communications](#) journal web site <http://www.biomathforum.org/biomath/index.php/conference>

Post-conference Proceedings

Peer-refereed post-conference proceedings of BIOMATH 2015 will appear in the [journals BIOMATH](#) and [Biomath Communications](#). Further information will be announced later. Selected presentations will also be published in special issues of other science journals (to be announced later on).

Papers for the conference will be published in volume 4 (2015) of the journal BIOMATH. The manuscripts need to comply with the journal's guidelines and style. Further, the authors are reminded of the interdisciplinary character of both the conference and the journal. The exposition in the papers should be accessible to researchers from disciplines other than the authors' own. Where there is a need, technical details (technically involved mathematical proofs, technical descriptions of conducting experiments, data-sets, etc.) should be presented as an appendix or in a separate publication in a specialized journal. A normal refereeing procedure based on two independent peer reviews will be followed. The BIOMATH journal publishes in a continuous publication mode, e.g. the papers will appear online with article ID and doi number as soon as they are accepted in final form.

Topics

All areas of biomathematics are of interest. Papers devoted to mathematical methods, models and programming tools in biosciences, related to fields such as biomechanics, bioinformatics, theoretical biology, computational biology, biophysics, biochemistry, are welcome.

Program Committee

Co-chairs: Venko Beschkov, Institute of Chemical Engineering, BAS
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