SIGBio Record

Newsletter of the SIGBio
ACM Special Interest Group

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SIGBIO Record - Submission Guidelines

Submission categories

Submissions to the newsletter can be either on a special issue topic or on topics of general interest to the SIGBIO community.

These can be in any one of the following categories:
- Survey/tutorial articles (short) on important topics.
- Topical articles on problems and challenges
- Well-articulated position papers.
- Review articles of technical books, products and .
- Reviews/summaries from conferences, panels and special meetings within 1 to 4 pages [1500-2500 words]
- Book reviews and reports on relevant published technical books
- PhD dissertation abstracts not exceeding 10 pages
- Calls and announcements for conferences and journals not exceeding 1 page
- News items on the order of 1-3 paragraphs

Brief announcements Announcements not exceeding 5 lines in length can simply be sent as ASCII text to the
editors by e-mail. SIGBIO Record publishes announcements that are submitted as is without review.

Announcements cannot be advertisements and should be of general interest to the wider community. The Editor reserves the right to reject any requests for announcements at his discretion.

Authors are invited to submit original research papers or review papers in all areas of bioinformatics and computational biology. The papers published in SIGBioinformatics Record will be archived in ACM Digital Library. Papers should follow the ACM format, and there is no page limitation.

http://www.acm.org/sigs/publications/proceedings-templates

Submissions should be made via email to the editors Pierangelo Veltri *(University Magna Graecia of Catanzaro, Italy),*
Young-Rae Cho *(Baylor University)*

Special Issue on E-Health Systems and Semantic Web

*International Journal of Big Data Intelligence (*Inderscience)

This special issue has the following complementary objectives:

i. Inquiring into the theory and practice of engineering semantic e-health systems, especially methods, means, and best cases;

ii. Exploring into unifying software engineering methodologies employed in implementing semantic applications across domains; and,

iii. Deploying new technologies in the fields of semantic intelligence, e-health systems, m-health systems and applications especially for distributed healthcare systems.

In addition to regular submissions, this special issue also invites extended version of top selected papers from ESAS 2015. The IEEE International Workshop Series on Engineering Semantic Agent Systems (ESAS, http://www.computer.org/web/compsac/esas) has been held since 2006 in conjunction with Annual IEEE International Computer Software and Applications Conferences (COMPSAC).

Subject Coverage

Recent developments in big data, wearable sensors, mobile and semantic technologies are significantly impacting daily lives of people through people-centric systems extending human capabilities in obtaining, consuming and sharing personal information. Consequently, a flock of issues both beneficial and threatening await attention. Therefore the topics of interest span both theory and practice in big data, analytics, semantics and agents for e-health systems.

Topics include, but are not limited to, the following:

- Smart e-health systems through web technologies

- Autonomic analysis, monitoring and situation alertness

- Body sensor networks and wearable sensor systems on e-health

- Medical biofeedback

- Medical decision support systems and tools

- Context awareness and autonomous computing for ambient assisted living

- E-health oriented software architectures (Agent, SOA, Middleware, etc...)

- E-health virtual and augmented reality

- Emerging e-health applications

- Health grid and health cloud

- Health monitoring and traffic classification

- Healthcare management systems

- ICT-enabled personal health system

- Image and video processing on e-health

- E-health devices and smart parts for healthcare systems

- E-health big data: access, aggregation and use

- Semantic Web rule languages and e-health systems

- Ontology engineering and inference on e-health systems

- Semantic processing in e-health

- Case studies

Notes for Prospective Authors

This special issue is primarily intended for revised and substantially extended versions of selected papers presented at current and past ESAS Workshops. Additionally, this CFP is open to all potential authors. Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. The authors should include a brief statement in their submission to indicate the way in which the article substantially differs from their workshop papers and especially comment on the substantial additional original content and contributions. Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if at least 50% more work is introduced to the extended version).

All papers must be submitted online http://www.inderscience.com/ospeers/authorregister.php. A prospective author is responsible for understanding and adhering to the submission guidelines which can be accessed from the Notes for Authors tab at http://www.inderscience.com/jhome.php?jcode=ijbdi. Please thoroughly read these before submitting a manuscript. While submitting, do select "ESAS SI" as paper topic. Each paper will go through a rigorous double-blind review process.

Important Dates

 Submission Deadline: *15 October 2015*

Completion of First-Round Reviews: *15 December 2015*

Revised Papers: *1 February 2016*

Publication Materials Due: *1 March 2016*

Guest Editors' details

Please address all correspondence regarding this special issue to the following Guest Editors:

Atilla Elci, atilla.elci at gmail.com

Duygu Celik, duygucelik at msn.com

ACM BCB 2016 Call for Volunteers

The ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB) is the flagship conference of the ACM SIGBio. 2016 will be the conference's seventh year, building upon the success of the first five meetings in Niagara Falls, Chicago, Orlando, Washington DC, Newport Beach and Atlanta.

ACM BCB 2016 will welcomes original submissions that have not been published or under review with a **mid-May paper submission deadline**. We are looking forward to receive your manuscripts.

Examples of relevant topics include, but are not limited to, the following:

- Behavioral, Environmental, and Public Health Informatics
- Biological Network Modeling and Analysis
- Biomedical Imaging and Data Visualization
- Clinical and Health Decision Support Systems
- Computational Systems Biology
- Epigenomics, Gene Regulation and Transcription
- Genome and Sequence Analysis
- Healthcare Data Quality Control, Privacy, and Security
- Microbiomics and Metagenomics
- Mobile Health and Sensor Networks
- Population, Evolution, and Comparative Genomics
- Predictive Modeling and Analytics in Healthcare
- Protein and RNA Structure and Function
- Proteomics and Metabolomics
- Text Mining of Biomedical Literature and Clinical Notes
- Translational Bioinformatics

Volunteers who are interested helping to contribute to ACM BCB could contact, Umit V. Catalyurek, 2016 General Chair, at catalyurek.1@osu.edu