Call for Papers

Papers for IEEE CIBCB 2017 should be submitted electronically through the Conference website at www.cibcb2017.org, and will be refereed by experts in the fields and ranked based on the criteria of originality, significance, quality, and clarity. Topics of interest include but are not limited to:

**CI in Bioinformatics**
- Evolution, phylogeny, comparative genomics
- Gene expression array analysis
- Metabolic pathway analysis
- MicroRNA analysis
- Molecular sequence alignment and analysis
- Pattern recognition/data mining/optimization methods in Bioinformatics
- Visualization of large biological data sets

**CI in Computational Biology**
- Systems and synthetic biology
- Structure prediction and folding
- Modelling, simulation, and optimization of biological systems
- Biological network reconstruction/robustness/evolvability
- Epigenomics

**CI in Biomedical Engineering, Bioprocessing and Healthcare Informatics**
- Medical imaging and pattern recognition
- Biomedical data modelling/data mining/model parametrization
- Parallel/high performance computing
- Big data analysis and tools for biological and medical data
- Biomarker discovery and development
- Health data acquisition/analysis/mining
- Healthcare information systems/knowledge representation/reasoning
- Personalized medicine and treatment optimization
- Biopharmaceutical manufacturing
- Closed-loop optimization methods/platforms

Call for Special Session Proposals

IEEE CIBCB 2017 solicits proposals for special sessions within the technical scope of the conference. Special session proposals should include the session title, a brief description of the scope, contact information and brief CV of the organizers. Inquiries regarding special session proposals should be addressed to the Special Session Chair.

Call for Tutorials

IEEE CIBCB 2017 will feature tutorials covering fundamental and advanced topics in computational intelligence and its application to problems within the scope of the conference. A tutorial proposal should include title, outline, enrolment, and presenter/organizer biography. Inquiries regarding tutorial proposals should be addressed to the Tutorial Chair.

Call for Competitions

IEEE CIBCB 2017 enters all accepted posters into a Best Poster Competition. All conference attendees will have the chance to vote in the Competition on site. The best judged poster will win a prize and featured on the IEEE CIBCB 2017 website. Inquiries regarding the Competition should be addressed to the Competition Chair.