

IEEE Signal Processing Society, Santa Clara Valley Chapter Workshop on Bio-informatics and Bio-signal processing

Saturday, Aug. 30, 2008, 8:30am – 5:00pm
Williman Room, Benson Student Center, Santa Clara University

Workshop Website and Registration
<http://ewh.ieee.org/r6/scv/sps/bioSPS/>

Topics at a glance



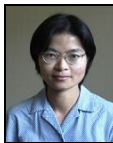
(1) Molecular Biology Basics
Speaker: Dr. Craig Stephens, Santa Clara University
<http://www.scu.edu/cas/biology/staffandfaculty/craig-stephens.cfm>



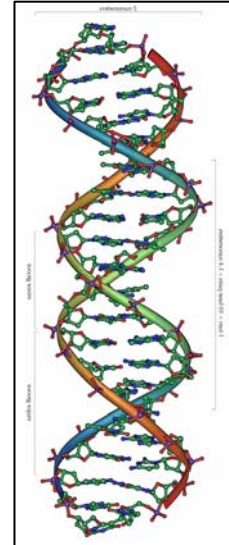
(2) Computational Methods in Bioinformatics
Speaker: Dr. Sami Khuri, San Jose State University
<http://www.cs.sjsu.edu/faculty/khuri>



(3) Signal Processing Models and Algorithms for RNA Sequence Analysis
Speaker: Dr. Byung-Jun Yoon, Texas A&M University, College Station, TX
<http://www.ece.tamu.edu/~bjyoon>



(4) Biostatistics: Statistical analysis of bio-data
Speaker: Dr. Ru-Fang Yeh, University of California San Francisco
<http://www.biostat.ucsf.edu/rufang>



Santa Clara University

Tentative Agenda

| | |
|---------------------|---|
| 8:15 am - 8:45 am | Registration/breakfast |
| 8:45 am - 9:00 am | Introduction |
| 9:00 am - 10:30 am | Topic 1: Molecular Biology Basics |
| 10:30 am - 10:40 am | Break |
| 10:40 am - 12:10 pm | Topic 2: Computational Methods in Bioinformatics |
| 12:10 pm - 1:00 pm | Lunch |
| 1:00 pm - 2:30 pm | Topic 3: Signal Processing Models and Algorithms for RNA Sequence Analysis |
| 2:30 pm - 2:40 pm | Break |
| 2:40 pm - 4:10 pm | Topic 4: Biostatistics: Statistical analysis of bio-data |
| 4:10 pm - 4:30 pm | Wrap-up panel discussion: Engineering Challenges and Business Opportunities |

Registration Fees

| | Before Aug 20 | After Aug 20 or on-site |
|-----------------|---------------|-------------------------|
| IEEE member | \$40 | \$50 |
| Non-IEEE member | \$50 | \$60 |
| Student | \$20 | \$30 |

Registration includes a copy of the workshop proceedings, lunch, breakfast, and coffee.

Contacting the Workshop

- SPS SCV Chair: **Tokunbo Ogunfunmi**, email: tokunbo@ieee.org
- SPS SCV Program Coordinator: **Yen-Kuang Chen**, email: y.k.chen@ieee.org
- SPS SCV Chapter Website: <http://ewh.ieee.org/r6/scv/sps/>