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/~bjoyoon

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

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

<table>
<thead>
<tr>
<th></th>
<th>Before Aug 20</th>
<th>After Aug 20 or on-site</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEEE member</td>
<td>$40</td>
<td>$50</td>
</tr>
<tr>
<td>Non-IEEE member</td>
<td>$50</td>
<td>$60</td>
</tr>
<tr>
<td>Student</td>
<td>$20</td>
<td>$30</td>
</tr>
</tbody>
</table>

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/