SIGPLAN Open Meeting

June 17, 2009

Kathleen Fisher
SIGPLAN Chair

SIGPLAN Officers

- Chair: Kathleen Fisher, AT&T
- Vice Chair: Chandra Krintz, UCSB
- Past Chair: Jack Davidson, Univ. Virginia
- Secretary: Eliot Moss, UMass
- Treasurer: Cristina Cifuentes, Sun Australia
- Members at large:
  - Koen DeBosschere, U Ghent. (PAC co-chair)
  - Greg Morrisett, Harvard
  - Steve Zdancewic, UPenn
  - Ben Zorn, Microsoft (PAC co-chair, CACM NC chair)

Bylaw Changes

- Changed EC terms from 2 to 3 years:
- More efficient: EC members felt they had just figured out how to do their jobs when their terms were up.
- Enable more innovation: 3 years long enough to take on longer-term projects.
- Added another member at large
- Take on award portfolio

Direct Member Benefits

- Reduced registration rates at SIGPLAN conferences
- Access to SIGPLAN materials in the ACM DL
- Subscription to SIGPLAN Notices (electronic or print)
- Annual CD with proceedings of SIGPLAN conferences/Notices
- Email newsletter with announcements of SIGPLAN events
- Eligibility for PAC grants (students, travel companions, int’l)
- Voting rights in SIGPLAN Elections
- Eligibility to serve as a SIGPLAN Officer

Community Benefits

- Conference sponsorship
- ASPLOS, CGO, GPCE, Haskell, ICFF, ISMM, LCTES, OOPSLA, PLDI, POPL, PPDP, PPoPP, VEE, and many workshops.
- Awards
- Lifetime Achievement, Service, Best PL Thesis, John Vlissides Award, Most Influential Paper for ICFP, OOPSLA, PLDI, and POPL
- Latex and Microsoft word templates for conference papers
- SIGPLAN Web Site
- Support for PL-related summer schools
- Support for Educators to attend SIGPLAN conferences

Membership Fees

<table>
<thead>
<tr>
<th>Fiscal Year '09</th>
<th>Print</th>
<th>Online</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional</td>
<td>$65</td>
<td>$25</td>
</tr>
<tr>
<td>Student</td>
<td>$40</td>
<td>$15</td>
</tr>
<tr>
<td>Actual cost of direct benefits</td>
<td>$86</td>
<td>$24</td>
</tr>
</tbody>
</table>

Unchanged from last year.

Direct benefits include: newsletters, mailed proceedings, annual CD, reduced registration rates, but not awards, summer schools, PAC funding, etc.
Membership Numbers

SIGPLAN Finances
Cristina Cifuentes
Treasurer
Sun Microsystems Laboratories

Vice Chair: Chandra Krintz

- Oversees organization of meetings:
  - Conference location selection
  - General and program chair selection
  - Program committee selection
  - Budget approval
  - Resource for program and general chairs
- Repository for common knowledge.
- Coordinates approval for new meetings.

AWARDS

Nominations for 2010

- PL Achievement: Rod Burstall
- Distinguished Service: Manndouh Ibrahim
- 2008 Dissertation: Michael Bond and Viktor Vafeiadis
- Most Influential Paper from 10 years previously:
  - ICFP, OOPSLA, PLDI, POPL
- John Vlissides Award: Ciera Jaspan
- Newly created Ken Kennedy Award: The ACM - IEEE CS Ken Kennedy Award recognizes substantial contributions to programmability and productivity in computing and substantial community service or mentoring contributions.
- PL Software Systems Award in the works.

SIGPLAN Finances

<table>
<thead>
<tr>
<th>FY10 Budget</th>
<th>FY09 Budget</th>
<th>FY09 April</th>
<th>FY08 Actual</th>
</tr>
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<tbody>
<tr>
<td>Revenue</td>
<td>1,296,242</td>
<td>1,436,104</td>
<td>957,260</td>
</tr>
<tr>
<td>Non-conference</td>
<td>278,156</td>
<td>300,319</td>
<td>261,226</td>
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<tr>
<td>Digital library</td>
<td>96,354</td>
<td>94,525</td>
<td></td>
</tr>
<tr>
<td>Total revenue</td>
<td>1,574,758</td>
<td>1,736,423</td>
<td>1,218,496</td>
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<tr>
<td>Expenses</td>
<td>1,227,151</td>
<td>1,394,505</td>
<td>994,306</td>
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<tr>
<td>Non-conference</td>
<td>453,180</td>
<td>469,243</td>
<td>211,207</td>
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<tr>
<td>Total expenses</td>
<td>1,680,331</td>
<td>1,803,748</td>
<td>1,205,513</td>
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<td>Net</td>
<td>-105,023</td>
<td>-137,325</td>
<td>12,973</td>
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<td>Fund balance</td>
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<td>2,271,732</td>
<td>2,412,030</td>
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<td>Fund bal req'd</td>
<td>703,046</td>
<td>785,269</td>
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Conferences/Symposia

- ASPLOS (SIGARCH, SIGOPS)
- CACM
- CMO (SigMICRO, IEEE)
- DLN
- GPC
- Haskell
- ICPE
- ISMM
- LCTES (SigBED)
- OOPSLA
- PLDI
- POPL (SIGACT)
- PPDP
- VEI (SIGOPS, USENIX)

Workshops

- CFP
- DAMP
- ECOOP
- FOOL
- HLS
- ISSTA
- LATA
- MAPSLAS
- PAPL
- PDDP
- PPP
- VP
- WM

"In cooperation"

- ACM2
- AOSD
- BoostCon
- ECOOP
- ICSE
- ILC
- ISSTA
- LDTA
- MAPSLAS
- PAPL
- PDDP
- PPP
- VP
- WM

Conferences in bold have more than 100 participants.
Co-located meetings share color-coding.
Health of Major Conferences

• The last year has been very challenging economically
  • Has impacted all conferences negatively, in some subset of ways:
    • Corporate sponsorship down
    • Submissions down
    • Registration/Income down
    • Significant SIGPLAN losses
• OOPSLA
  – Broadening event, Changing the brand: 2010 = SPLASH!
  – Technical program retains the OOPSLA brand
  – Incrementally introducing partnership with SIGSOFT
  – Budgeting for a smaller event to manage losses, cutting costs

PLDI Statistics

<table>
<thead>
<tr>
<th>Year</th>
<th>Attendance</th>
<th>Submitted</th>
<th>Accepted</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>219</td>
<td>196</td>
<td>41</td>
<td>Dublin</td>
</tr>
<tr>
<td>2008</td>
<td>244</td>
<td>184</td>
<td>34</td>
<td>Tucson</td>
</tr>
<tr>
<td>2007</td>
<td>334</td>
<td>178</td>
<td>45</td>
<td>San Diego (FCRC)</td>
</tr>
<tr>
<td>2006</td>
<td>307</td>
<td>174</td>
<td>36</td>
<td>Ottawa</td>
</tr>
<tr>
<td>2005</td>
<td>293</td>
<td>137</td>
<td>28</td>
<td>Chicago</td>
</tr>
<tr>
<td>2004</td>
<td>246</td>
<td>127</td>
<td>25</td>
<td>Washington</td>
</tr>
<tr>
<td>2003</td>
<td>347</td>
<td>131</td>
<td>28</td>
<td>San Diego (FCRC)</td>
</tr>
<tr>
<td>2002</td>
<td>235</td>
<td>169</td>
<td>28</td>
<td>Berlin</td>
</tr>
<tr>
<td>2001</td>
<td>311</td>
<td>144</td>
<td>30</td>
<td>Snowbird</td>
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POPL Statistics

<table>
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<th>Location</th>
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<tr>
<td>2009</td>
<td>240</td>
<td>160</td>
<td>36</td>
<td>Savannah</td>
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<tr>
<td>2008</td>
<td>318</td>
<td>212</td>
<td>35</td>
<td>San Francisco</td>
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<tr>
<td>2007</td>
<td>250</td>
<td>200</td>
<td>36</td>
<td>Nice, France</td>
</tr>
<tr>
<td>2006</td>
<td>264</td>
<td>167</td>
<td>33</td>
<td>Charleston</td>
</tr>
<tr>
<td>2005</td>
<td>212</td>
<td>172</td>
<td>31</td>
<td>Long Beach</td>
</tr>
<tr>
<td>2004</td>
<td>202</td>
<td>176</td>
<td>29</td>
<td>Venice</td>
</tr>
<tr>
<td>2003</td>
<td>182</td>
<td>126</td>
<td>24</td>
<td>New Orleans</td>
</tr>
<tr>
<td>2002</td>
<td>219</td>
<td>128</td>
<td>28</td>
<td>Portland</td>
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ICFP Statistics

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<th>Accepted</th>
<th>Location</th>
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<tbody>
<tr>
<td>2008</td>
<td>217</td>
<td>99</td>
<td>35</td>
<td>Victoria Canada</td>
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<tr>
<td>2007</td>
<td>160</td>
<td>119</td>
<td>32</td>
<td>Freiburg Germany</td>
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<tr>
<td>2006</td>
<td>300</td>
<td>76</td>
<td>24</td>
<td>Portland</td>
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<tr>
<td>2005</td>
<td>187</td>
<td>87</td>
<td>26</td>
<td>Estonia</td>
</tr>
<tr>
<td>2004</td>
<td>167</td>
<td>80</td>
<td>21</td>
<td>Snow Bird</td>
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<tr>
<td>2003</td>
<td>153</td>
<td>99</td>
<td>23</td>
<td>Uppsala</td>
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<tr>
<td>2002</td>
<td>195</td>
<td>76</td>
<td>24</td>
<td>Pittsburgh</td>
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<tr>
<td>2001</td>
<td>167</td>
<td>66</td>
<td>18</td>
<td>Florence</td>
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OOPSLA Statistics

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<tr>
<td>2008</td>
<td>751</td>
<td>117</td>
<td>33</td>
<td>Nashville</td>
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<tr>
<td>2007</td>
<td>1225</td>
<td>156</td>
<td>33</td>
<td>Montreal</td>
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<tr>
<td>2006</td>
<td>1178</td>
<td>157</td>
<td>27</td>
<td>Portland</td>
</tr>
<tr>
<td>2005</td>
<td>1081</td>
<td>142</td>
<td>29</td>
<td>San Diego</td>
</tr>
<tr>
<td>2004</td>
<td>1172</td>
<td>173</td>
<td>27</td>
<td>Vancouver</td>
</tr>
<tr>
<td>2003</td>
<td>948</td>
<td>147</td>
<td>26</td>
<td>Anaheim</td>
</tr>
<tr>
<td>2002</td>
<td>1601</td>
<td>125</td>
<td>25</td>
<td>Seattle</td>
</tr>
<tr>
<td>2001</td>
<td>1236</td>
<td>145</td>
<td>27</td>
<td>Tampa (9/11 &amp; Anthrax)</td>
</tr>
</tbody>
</table>

Proposing a new workshop

• Simple process, particularly if co-locating with an existing conference.
• Proposals (page or two of ASCII) should include:
  – Topic/rational for meeting
  – Dates, location
  – Organizing committee
  – Content selection process
  – Proceeding plans
• Instructions on-line:
  http://www.acm.org/sigs/sigplan/sigplan_workshop_proposal.htm
Help for Meeting Organizers

• Program chair support
  - http://www.sigplan.org/programchairs.htm
  - Program committee formation, plagiarism policy, CFP/web site help, submission software (START), PC meeting suggestions, list of responsibilities

• General chair support
  - http://www.sigplan.org/guidelinesforthechair.htm
  - Locations, hotel contracts, ACM approval process, budget formation, publication (DL) and proceedings, list of responsibilities

Current Issues

• Students
  • Conference attendance increasing (up to 40%)
  • Heavily subsidized registration fees (~30-40% of real cost)
  • Domain-specific mentoring workshops
  • Double-blind reviewing
    • Up to the PC Chair; many strongly support its use
  • PC members to author submissions
    • PLDI to allow in 2010
    • Higher standard including using an external committee
    • ICFP SC strongly recommends disallowing starting 2010
    • PChair can choose not to take the recommendation
  • Many conferences considering “virtualizing” PC meeting

CACM Research Highlights

Nominating Committee 2009 Update

Ben Zorn
June 2009

CACM Research Highlights

• CACM new format July 2008
  • Research Highlights have appeared for 1 year now
• Last year SIGPLAN created a committee to recommend SIGPLAN papers for nomination to the CACM
  • Information: http://sigplan.org/CACMNominationPolicy.htm
  • Nominations at: http://sigplan.org/CACMPapers.htm

RH Nominating Committee

• 10 people representing the various constituencies
  • Member of EC (chair) Ben Zorn
  • SIGPLAN chair Kathleen Fisher
  • Past SIGPLAN chair Jack Davidson
  • POPL delegate Jens Palsberg
  • PLDI delegate Vivek Sarkar
  • OOPSLA delegate David Bacon
  • ICFP delegate Philip Wadler
  • PDP/GPCE/Haskell delegate Julia Lawall
  • PPoPP/VEE/ISMM delegate Hans Boehm
  • LCTES/ASPLOS/CGO delegate David August
• Terms 2 years (staggered to start)

Committee Update

• 3 meetings held
  • August 2008
  • November 2009
  • April 2009
• 8 papers nominated
  • LCTES07, PPoPP06, POPL06 x 2, PLDI07 x 2, PLDI08, POPL09
  • 7 committee nominated, 1 community nominated
• 1 paper has appeared in CACM Research Highlights
  • Scalable Synchronous Queues (May 2009)
• Additional recommendations to CACM for topics/papers (not Research Highlights)
Nominated Papers

- Fault-Tolerant Typed Assembly Language
  Frances Perry, Lester Mackey, George A. Rinis, Jay Ligatti, David I. August, and David Walker (PLDI 2007)
- Java Takes Flight: Time-portable Real-time Programming with Excitaks
  Joshua Auerbach, David F. Bacon, Daniel T. Ierian, Christoph M. Kirsch, V. T. Rajan, Harald Rocek and Rainer Trummer (LCFES 2007)
- Scalable synchronous queues (APPEARED May 2009)
  Bill Shriver, Doug Lea, and Michael Scott (PPlP 2006)
- The next 100 data description languages
  Kathleen Fisher, Tutschk Mandelbaum, and David Walker (POPL 2006)
- Formal certification of a compiler back-end or: programming a compiler with a proof assistant
  Xavier Leroy (POPL 2006)
- Sound, Complete and Scalable Path-Sensitive Analysis
  Jul Dillig, Thomas Dillig, and Alex Aiken (PLDI 2008)
- Goldilocks: a Race and Transaction-Aware Java Runtime
  Tayfun Elmaz, Shai Qadeer, and Serdar Tasiran (PLDI 2007)
- The Theory of Deadlock Avoidance via Discrete Control
  Yin Wang, Stéphane Lafontaine, Terence Kelly, Manjuarath Radhur, Scott Mahlke (POPL 2009)

Renewed Call to Action

- Talk to the conference representatives on the committee
- Think about additional candidate papers to nominate
- Submit nominations at:
  http://cacm.elis.ugent.be/
  (also available from the SIGPLAN web page)

PAC = mobility support

- For students participating in SIGPLAN activities
  - experiencing financial hardship
  - needing travel assistance for care takers or children
  - traveling very long distance, living in a poor country
  - child care

SIGPLAN PAC can offer you an award that covers

- Student registration
- Travel expenses in economy class
- Shared accommodation
- A free membership to SIGPLAN for one year
However, we appreciate
• If you keep the costs as low as possible
• If your advisor is a SIGPLAN member
• If your institution shares part of the costs
• If you only request support for one event

Professional members
• You are a SIGPLAN member
• You want to participate in unique or important SIGPLAN activities (e.g. standards meeting, …)
• You do not have the funds to attend the event

Companion travel
• If you need a companion to travel because
  – You have a physical disability
  – You are the parent of an infant < 2 years and you cannot travel without the infant
• SIGPLAN can cover the non-shared transportation for the companion (flight, train, …)

Child-care travel support
• On-site child care at conferences arranged by the parent
• Travel costs for a companion, specifically for non-shared transportation costs such as airfare.
• Travel costs for children between the ages of two and sixteen.

PAC report
2008-2009

PAC Budget
97.5% is for **2008** student travel

Most support goes to student travel

- **CGO**
- **ASPLIOS**
- **Companion**
- **Child care**
- **Student**

Geographical distribution

**Geographical distribution**

**Geo-money-wise**

**2008**

- **FOOL'08**
- **ISMM'08**
- **PLAS'08**
- **PPDP'07**
- **PPPJ'07**
- **VEE'07**

- **PLDI'08**
- **POPL'08**
- **Haskell'07**
- **OOPSLA'07**
- **ICFP'07**
- **LCTES'07**
- **PASTE'07**
- **VEE'07 PEPM**
- **PLDI'07**
Charter: SIGPLAN Ed Board

- Create "Why" document for non-PL people.
- Create detailed "How" documents
  - Sample curricula
- Encourage authors to write appropriate texts.
- Create web page to present material and encourage discussion.
- Eventually expand focus from undergraduate courses to graduate courses.
- Encourage inclusion of appropriate PL material in curricula standards.
Members: SIGPLAN Ed Board

- **Kim Bruce** (chair), Pomona College
- **Kathleen Fisher** (ex officio), AT&T
- **Kathi Fisler**, WPI
- **Steve Freund**, Williams College
- **Dan Grossman**, University of Washington
- **Matthew Hertz**, Canisius College
- **Gary Leavens**, University of Central Florida
- **Andrew Myers**, Cornell University
- **Larry Snyder**, University of Washington