

PRAGMA Students Update

Yuan Luo and Meilan Jiang
on behalf of the PRAGMA Students Steering Committee

The PRAGMA24 Workshop, Bangkok, Thailand, March 21st, 2013



Introduction to PRAGMA Students

- Background
 - PRAGMA22 launched a discussion of how to engage graduate students more actively in PRAGMA. Since PRAGMA22, students have been engaged with these discussions and have assumed leadership of the PRAGMA student activity.
- Why PRAGMA Students Activities?
 - Tremendous potential to give **students interdisciplinary science and computer science experience** coupled with **leadership growth opportunities** that they may not get within their PhD studies in their university – Prof. Beth Plale, IU



Goals of PRAGMA Students

- Have students research tied to activities in PRAGMA
- Expose students to network science, in particular to develop skills in interdisciplinary research, peer mentoring, leadership responsibilities and multicultural competence.



Students Activities in PRAGMA22 and PRAGMA23



Accomplishments to Date:

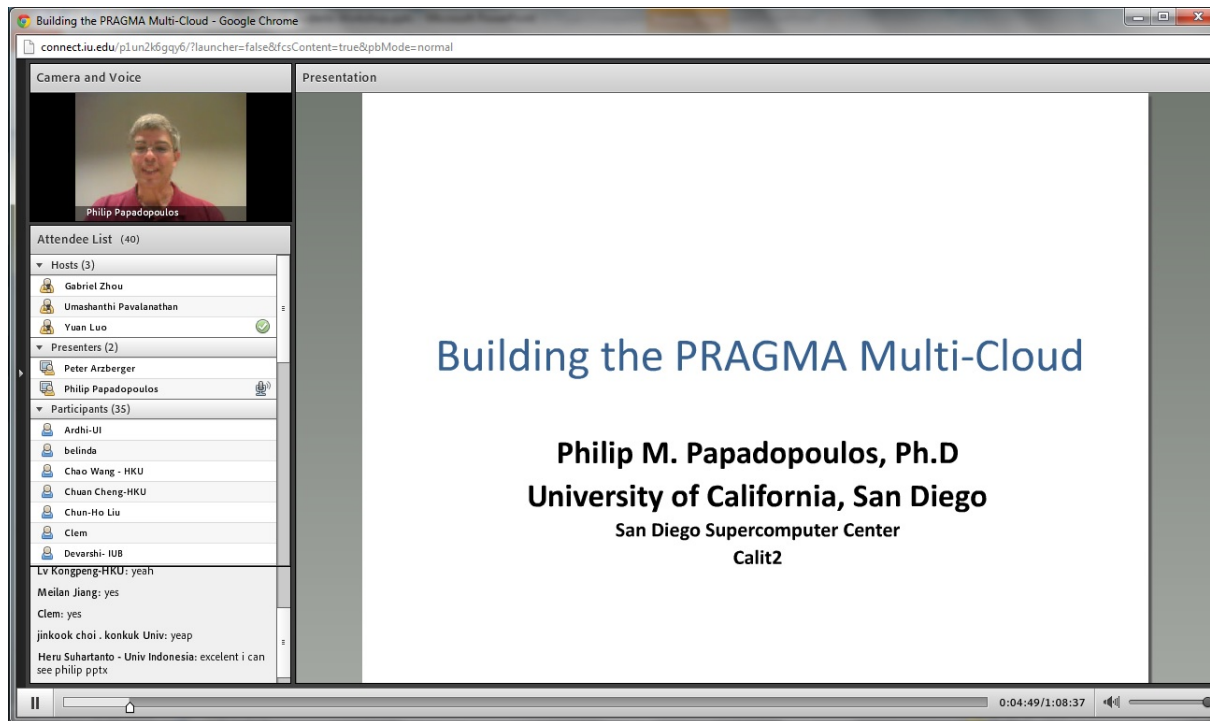
Leadership and Peer Mentoring/Networking

- Network of Students
 - Biweekly Skype meeting led by students steering committee to discuss students activities.
- Distributed Seminar
 - Around 60 participants attended Phil's talk (first seminar)
- Poster Session
 - 17 posters in PRAGMA 23
 - 26 posters in PRAGMA24
- Student Workshops
 - 5 invited talks and 1 students presentations in PRAMGA 23
 - 8 students presentations and a panel discussion in PRAGMA24



PRAGMA Students Online Seminars

- First Seminar:
 - **Building the PRAGMA Multi-Cloud**, by Dr. Philip Papadopoulos, UCSD
 - <http://connect.iu.edu/p1un2k6ggy6/>



- Second Seminar (mid April to early May 2013):
 - By Dr. Jose Fortes, UF, Topic TBD
 - <http://connect.iu.edu/pragmastudents>

Revisit the 2nd PRAGMA Students Workshop

Time	Title	Name	Institute/Company
3:30pm-3:35pm	Welcome to PRAGMA Students	Yuan Luo, and Meilan Jiang	PRAGMA Students
3:35pm-4:25pm	High Throughput, Low Latency and Reliable Remote File Access	Hiroki Ohtsuji	University of Tsukuba
	CARE Resource Broker (CRB)	Thamarai Selvi Somasundaram	Anna University
	Biodiversity Capacity Building in Malaysia using Information Technology	Nurul Shakina Mohd Talkah	Universiti Teknologi Malaysia
	IPOP: Self-configuring IP-over-P2P Overlay-based Virtual Private Networking	Pierre St Juste	University of Florida
4:25pm-5:00pm	Panel discussion	All faculty and students	
5:00pm-5:05pm	Break (extending panel discussion if necessary)		
5:05pm-5:55pm	Performance evaluation of a nested virtualization based on KVM	Praween Amontamavut	Takushoku University & AIST
	Instrumenting Thailand’s Coastline: Cyber-Infrastructure for Environmental and Disaster Monitoring	Michael Nekrasov	UC Santa Barbara
	Cloud Computing Model and Prototype Implementation of Molecular Dynamics Simulations using Amber and Gromacs	Rezi Riadhi Syahdi	Faculty of Computer Science, University of Indonesia
	An Implementation of a Virtual Cluster on a Cloud	Pongsakorn U-chupala	Kasetsart University
5:55pm-6:00pm	Close comments		

Panel Discussion on the 2nd PRAGMA Students Workshop

- Aligning graduate student research with practical experiments in PRAGMA.
- Improving the open environment for discussing research and research related issues.



The 2nd PRAGMA Students Workshop



Accepted Posters for PRAGMA24

Institute/Company	Title
Konkuk University	AirCleaner: Seoul Metro Integrated Management System for Intelligent & Energy-efficient Air Quality Monitoring & Control
Walailak University	Coral Sensor Network at Racha Island, Thailand
COE for Ecoinformatics, NECTEC-WU	Comparison of Cloud Appearance between Forest Types at Khao Nan, Thailand Using CloudSat Quicklook Images
Walailak University	Applying a landscape mosaics technique to detect tropical cyclone impacts on coral reef community
Kasetsart University	Big VM: Design and Implementation of a Very-Large-Memory Virtual Machine
University of Tsukuba	High Throughput, Low Latency and Reliable Remote File Access
Institute of Information Technology, Vietnam Academy of Science and Technology	A GRID AND CLOUD-BASED DATABASE OF PRE-COMPUTED SCENARIOS OF TSUNAMIS IN MANILA TRENCH
COE for Ecoinformatics, NECTEC-WU	Seed Production, Seed Predation and Germination of Parah trees at Khao Nan National Park
National Center for High-performance Computing	Big Data Applications in Disaster Management Information Platform
Anna University	CARE Resource Broker (CRB)
Konkuk University	Experiments with Emulab Testbed
Walailak University	Dashboard Decision Support System for Community Well-Being Assessment System in Thailand
Walailak University	Ecological Observatory System at Racha Yai Island, Phuket, Thailand
Universiti Teknologi Malaysia	Biodiversity Capacity Building in Malaysia using Information Technology
UC San Diego	Place-Sticker Mobile Tour: Implementation of a Novel Location-Based Technology
University of Florida - ACIS	IPOP: Self-configuring IP-over-P2P Overlay-based Virtual Private Networking
University of Indonesia	Virtual screening of Indonesian herbal database as HIV-1 protease inhibitor
AIST	Asia GEO Grid Initiative
Civil Engineering of Hong Kong University	Impacts of urban land use change and aerosol increase on frontal rainfall near to coastal regions: a case study of a rainstorm over Pearl River Delta in South China
Universiti Teknologi Malaysia	UltraMJ: Identification and characterization of metal hyperaccumulators for phytoremediation from ultramafic flora in Johor Botanical Garden (Malaysia)
Kasetsart University	Development of a Software Tool for PRAGMA VM Migration on OpenStack Cloud
Takushoku University & AIST	Performance evaluation of a nested virtualization based on KVM
UC Santa Barbara	Instrumenting Thailand's Coastline: Cyber-Infrastructure for Environmental and Disaster Monitoring
Faculty of Computer Science, University of Indonesia	Cloud Computing Model and Prototype Implementation of Molecular Dynamics Simulations using Amber and Gromacs
Kasetsart University	An Implementation of a Virtual Cluster on a Cloud
AIST	Preliminary Evaluation of Disaster Recovery based on Interconnect-transparent VM Migration

- To discuss:
 - Can we enhance and expand the leadership opportunities?
 - Are there ways to improve student networking and peer mentoring?



Join PRAGMA Students

- To subscribe, email to
 - pragma-student-list+subscribe@googlegroups.com (discussion)
 - pragma-students-announcements+subscribe@googlegroups.com (public announcements)
- Facebook group:
 - <https://www.facebook.com/groups/432548480124371>
- Official Website:
 - Coming soon ...



Acknowledgement

- PRAGMA Steering Committee
- PRAGMA24 Organizing Committee
- All faculty and student participants
- PRAGMA Students mentors:
 - Peter Arzberger, Beth Plale, Karpjoo Jeong, Shinji Shimojo, Putchong Uthayopas



Social Activities (Lost in Thailand)



facebook

Search for people, places and things

Yuan Luo Home



Yuan Luo
Edit Profile

FAVORITES

- News Feed
- Messages
- Events
- Photos

GROUPS

- PRAGMA Student
- dZcenter
- TUB-bball-gangs
- Into the Cloud
- Create Group...

APPS

- App Center
- Gifts
- Games Feed
- Music

PAGES

- Pages Feed
- Like Pages
- Create a Page...

MORE



PRAGMA Stud...

About Events Photos Files

Notifications

Write Post Add Photo / Video Ask Question Add File

Write something...

17 members (3 new) · Message · Invite by Email

+ Add People to Group

RECENT POSTS



Yuan Luo



Like · Comment · Unfollow Post · 2 hours ago

Sokha Bi and Meilan Jiang like this.

Seen by 6



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Yuan Luo



What should people post in this group?
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