

# Students Best Lightning Talk

Chawanat Nakasan, Meilan Jiang, Quan Zhou and Pongsakorn U-chupala  
on behalf of the PRAGMA Students Group

*The 29<sup>th</sup> PRAGMA Students Session, Depok, Indonesia, Oct. 7th, 2015*



# Introduction to PRAGMA Students

- **Background**
  - Formed April, 2012 PRAGMA 22 to shape and grow the **opportunities for students** that are inherent in PRAGMA's long-lived trusted social network, and strong breadth of technical expertise.
  - Started to organize student activities from October, 2012 PRAGMA 23



# Introduction to PRAGMA Students

- **Goal**
  - Develop technically knowledgeable, culturally inclusive, and interdisciplinary scientists capable of leading global research.
- **Opportunities**
  - Provided **Education and mentoring**
  - Generate its own **network** and be a vehicle for **leadership** opportunity
  - Infuse **new ideas** to PRAGMA and discuss with experts



# PRAGMA Students Activities

- **Student Workshop**

- Invited talks
- Lightning talks

**Practice your presentation skills, Connect with mentors**

- **Poster Session**

- Call for poster
- Review posters with Senior Scientist
- Organize Poster Session

- **Distributed Seminar**

- Contact lecturer
- Organize online seminar

**Learn from expertise, Became an expert**



# Student Workshop

The 1<sup>st</sup> student workshop,  
Seoul, Korea



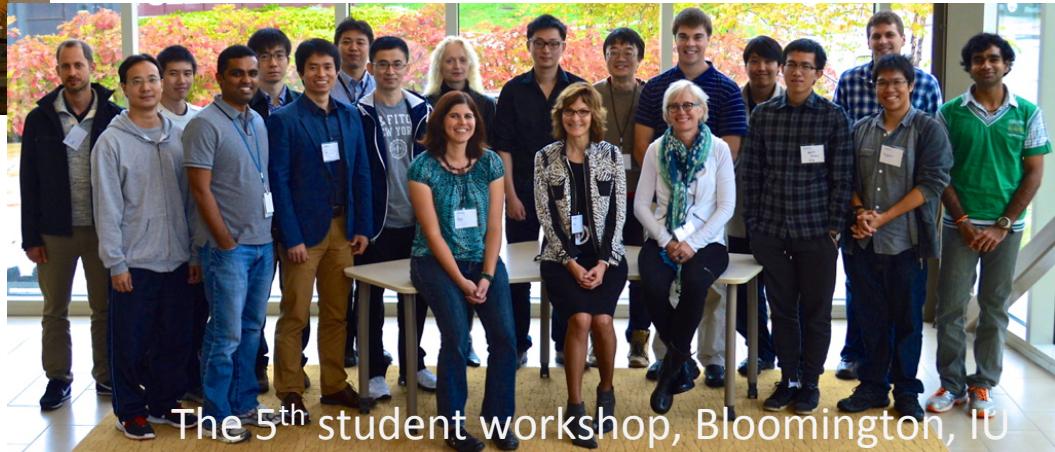
The 4<sup>th</sup> student workshop,  
Tainan, Taiwan



The 3<sup>rd</sup> student workshop, Beijing, China



The 6<sup>th</sup> student workshop, Nara, Japan

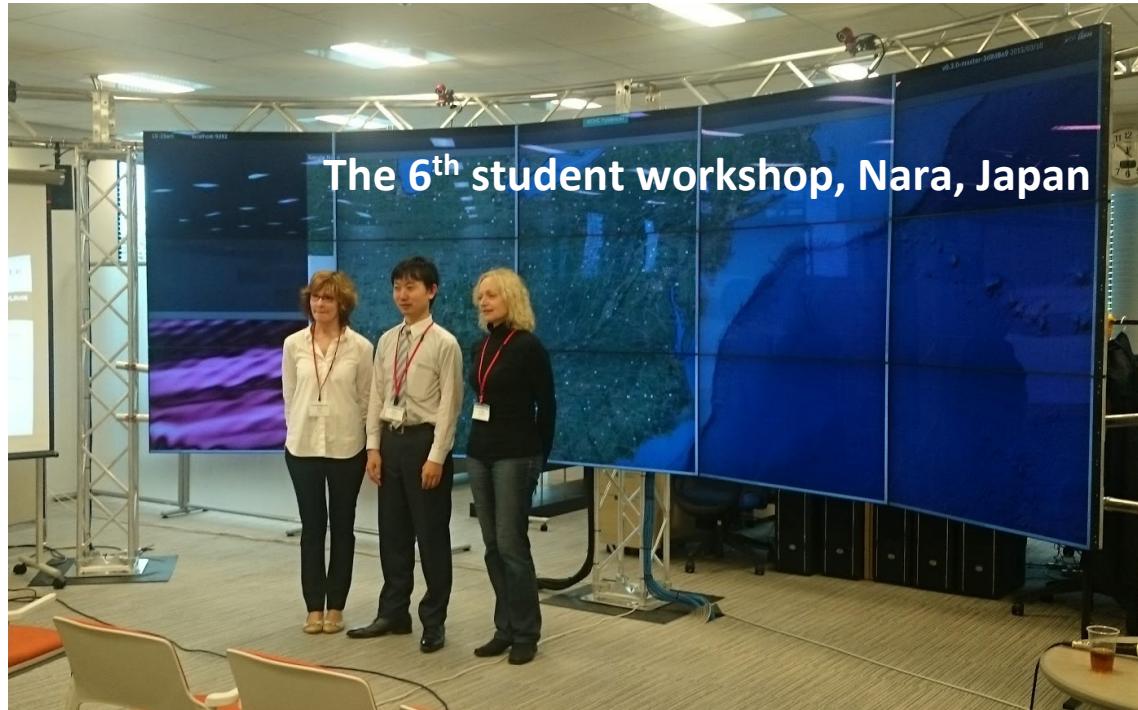


The 5<sup>th</sup> student workshop, Bloomington, IL

# Invited Talks



Phutchong, Sinji Simojo,  
Hongliang Li, Cindy, Peter



Beth Plale, Kohei Ichikawa, Nadya Williams

# Group discussions with mentors



Pre-workshop  
conversation Melbourne,  
Australia



The 1<sup>st</sup> student workshop,  
Seoul, South Korea



The 2<sup>nd</sup> student workshop,  
Bangkok, Thailand



The 3<sup>rd</sup> student workshop,  
Beijing, China



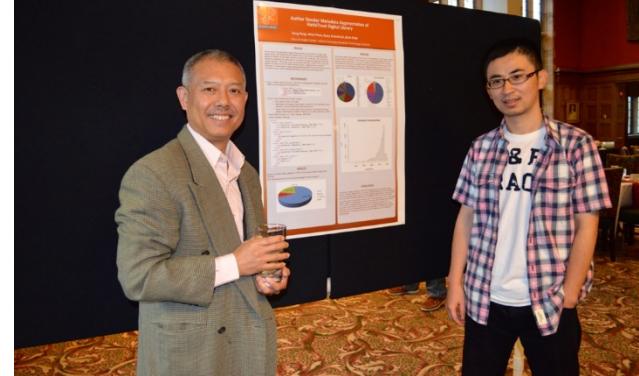
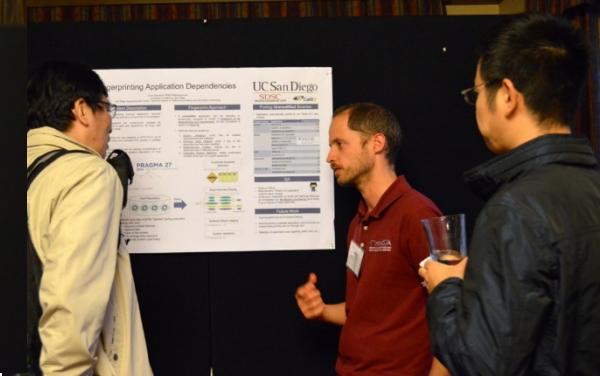
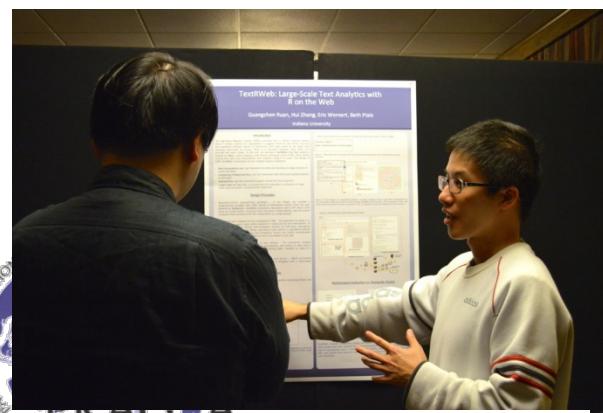
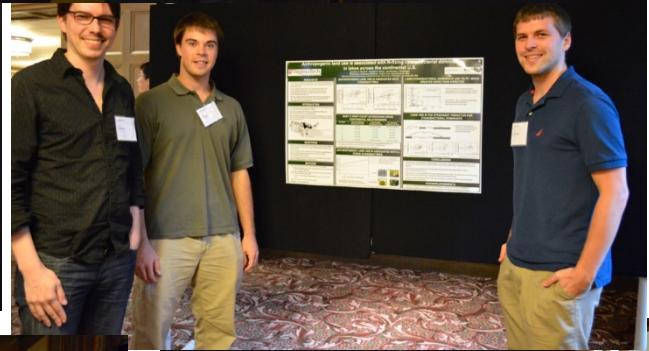
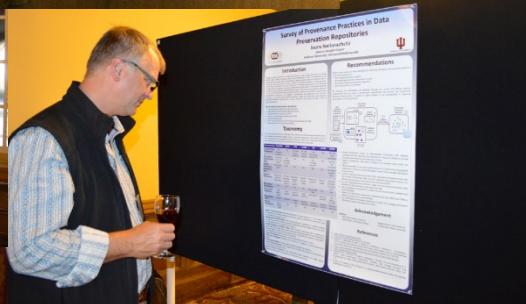
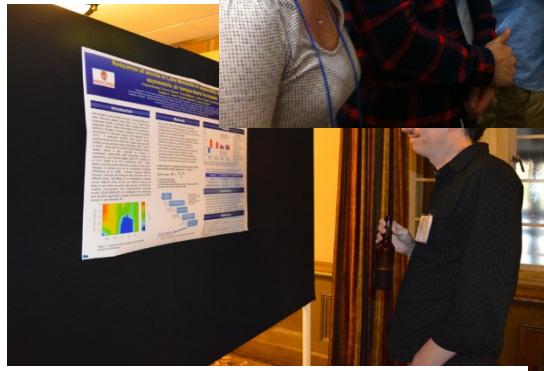
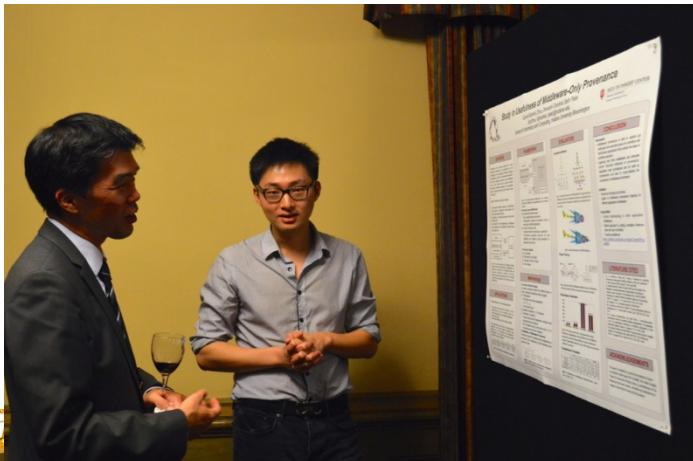
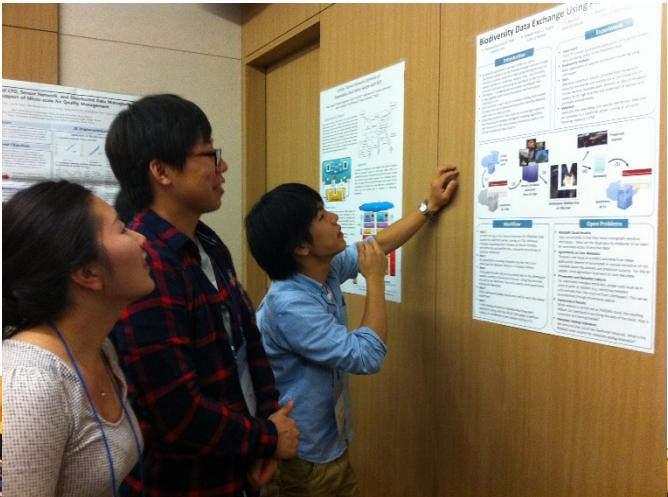
The 4<sup>th</sup> student workshop,  
Tainan, Taiwan

# Students Expedition Challenge



The 5<sup>th</sup> student workshop ,Bloomington, IN, US

# Poster Session



# Online Seminar Series

The screenshot shows the 'Welcome To PRAGMA Students Online Seminar.ppt' presentation. The slide title is 'Welcome to PRAGMA Students Online Seminar'. Below the title, there is a bulleted list under 'Seminar Protocol' with the following points:

- All participants will be muted by default.
- Use the 'Raise Hand' to request audio enabling. (See Figure 1)
- The hosts enable/disable audio for participants and give turns.
- Once unmuted, you will see a microphone on the menu bar, and you will need to enable your audio. (See Figure 2)
- Should a connection failure occur, please close your browser and try re-connecting.

Figure 1 shows a screenshot of the 'Camera and Voice' interface with a 'Microphone' icon highlighted in the menu bar. Figure 2 shows a screenshot of the 'Meeting' interface with a 'Connect My Audio' button highlighted.

**Attendee List (0)**

- Hosts (0)
  - Gabriel Zhou
  - Unavailable/Unavailable
  - Tom Lee
- Presenters (0)
  - Peter Antonsen
  - Philip Papadopoulos
- Participants (0)
  - Andrii Oli
  - Andrii Oli 2
  - Andrii
  - Chan Chung Hsu
  - Chen Pei Lin
  - Ciam
  - Raveena Kaur
  - Suresh
  - Wei
  - Unknown user: Jiehui Wu
  - Liwei Chen - HRI
  - Li Hongqiang Hsu
  - Wei Tongguo - UPE

**Gated Questions:** Hi all! If you have any questions about how to use this meeting interface, please ask and we will respond immediately.

- **First Seminar**
  - Philip Papadopoulos
  - February 4, 2013
  - **Building the PRAGMA Multi-Cloud**
- **Second Seminar**
  - José Fortes
  - February 24, 2014
  - **Cloud and Autonomic Computing Center (CAC)**

# Informal trips/events



# PRAGMA 28 – Invited Talk



Beth Plale, Kohei Ichikawa, Nadya Williams

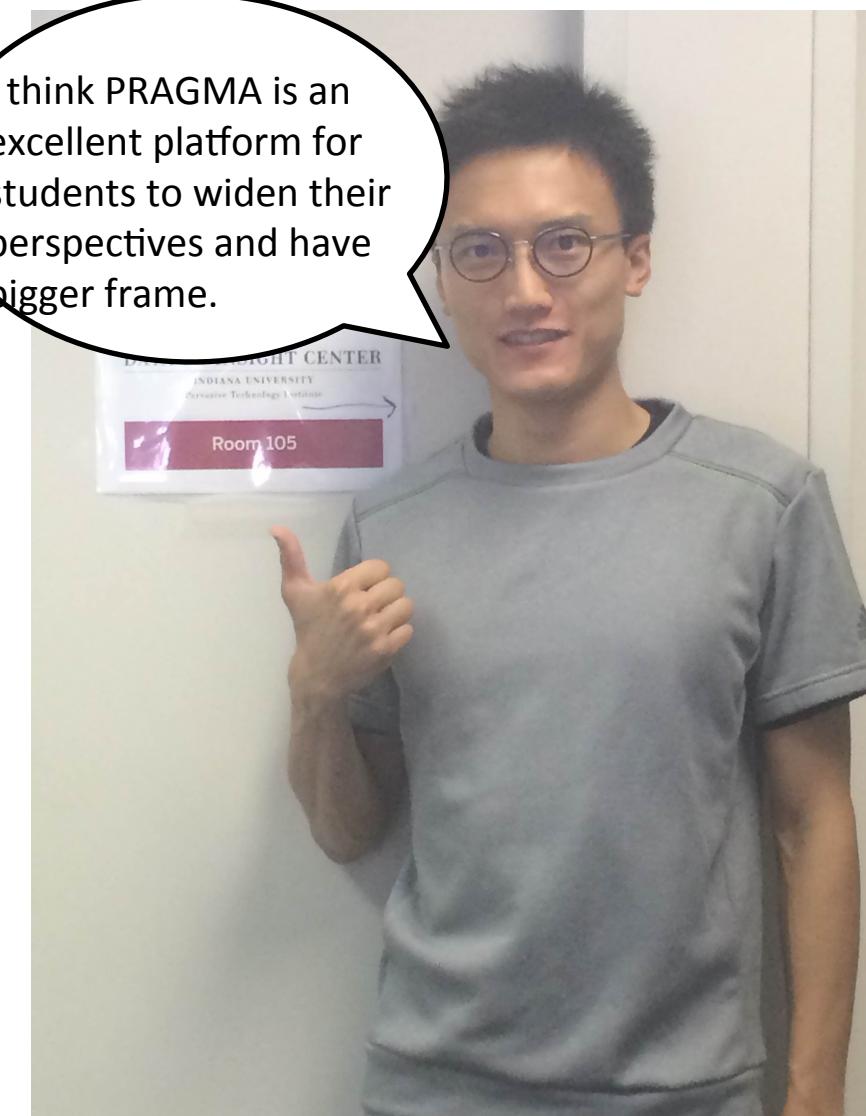
# PRAGMA 28 - Poster Session



# Exchange/Internship Opportunities

- Jiang Gu
  - visiting IU from University of Tsukuba through PRAGMA program.
  - join SEAD project, his major research is to dig into their APIs.

“It is very honored to have a chance to study in IU. Everything here including lifestyle and people's thought is totally different from where I have lived for more than 20 years in eastern society, and I am a lucky man who grasped my luck.”



# Recently graduated student - Yuan Luo

- Graduated from Indiana University and "PRAGMA university" and joined a EdTech startup, Edmodo, as a Data Architect.
- co-founded the PRAGMA Students and served couple of years on its steering committee.
- co-chaired the 1st - 4th PRAGMA Students workshop and served as session chairs and program committee member for 23rd - 27th PRAGMA workshop.

**"PRAGMA is a great platform for brainstorming research ideas.** Part of my dissertation topic was derived from a virtual cluster management project that I worked on for PRAGMA. "

**"PRAGMA provides a unique environment for developing collaboration skills for future leadership.** I have learnt a lot of leadership skills when I served on the PRAGMA Students steering committee under the guidance of faculty mentors. "



# PRAGMA 29 - Poster Session

- Poster Submission
  - Total 20 posters
  - 17 students and 3 non-students



# Poster Submission: 20 Posters

1~10 Posters

	Name	Title
1	Guangchen Ruan	Anomaly Detection in Lake Time Series with Symbolic Representation
2	<u>Kar Long Chan</u>	Hybrid Game Contents Streaming Method to Improve Graphic Quality Delivered by Cloud Gaming
3	Quan Zhou	Persistent Data Host on PRAGMA-ENT Network
4	Rezi Riadhi Syahdi	Database Compilation of Chemical Compounds from Echinoderms and Its Virtual Screening as HIV-1 Reverse Transcriptase Inhibitor
5	Ohtsuji Hiroki	Breaking the Trade-off between Performance and Reliability in Network Storage System
6	Dashdavaa Khureltulga	An MPI concept with efficient control of network functionality based on SDN
7	Yamada Takuya	Proposal of indoor evacuation system with smartphones
8	Endo Arata	An implementation of SAGE Bridge for sharing visualized contents on multiple tiled display wall systems
9	ma'mur azminah	3D Pharmacophore Virtual Screening of Indonesia's Medicinal Plants Database for Sirt1 Activator
10	Fajar Siddiq Muhammad	VirtualBox and Docker Performance Analysis for Cloud Computing Platform

# Poster Submission: 20 Posters

11~20 Posters

Name	Title
11 Erlina Linda	Virtual Screening of Indonesian Herbal Database as An Active Ligand for Hdac4 and Hdac7 Based on Pharmacophore Approached
12 andika andika	Virtual Screening and Molecular Docking of Indonesian Herbal Database based Pharmacopore Approached for Identification Sirt1 Inhibitor as Potential Ligand Active
13 Fadhila Irfan	Performance Analysis of Virtual Machine and Container for Cloud Based High Performance Computing Platform
14 Ichikawa Kohei	Practicality and Feasibility of Improving Linux Container Utilization with Task Rebalancing Strategy
15 soetrisno soetrisno	Adjacency Hyperedges Matrix, A Hypergraph Model for Constructing Composite Object Relationship
16 pasaribu agung	Analyzing Container's Performance for Virtual Screening of Indonesian Medicinal Plants with Autodock and Autodock Vina
17 Waskita Arya Adhyaksa	Distributed scheme of dynamic entropy based method for early detection of anomalous states in sensor network
18 Nakasan Chawanat	Evaluation of Topology-based OpenFlow Controller for Multipath TCP on PRAGMA-ENT
19 Putra Rizki Mandala	Autodock Application Integration into SCLOUD Web InterfaceAutodock Application Integration into SCLOUD Web Interface
20 Hermawan Denny	Design and Analysis GPU Computing for Molecular Dynamics Simulations with AMBER Applications



# Student Poster Review

- 17 students poster abstract reviewed by student committee members.
- All of the 17 posters are accepted.
- Poster authors are invited to give Lightening Talk in Student Session.
- We had 13 Students volunteered to give Lightening Talk.



# Student Session

16:00~17:30 Oct. 7th, 2015, Depok, Indonesia





The Most Innovative Talk  
Soetrisno Cahya  
Adjacency Hyperedges Matrix, A  
Hypergraph Model for  
Constructing Composite Object  
relationship



The Most Impactful Talk  
Takuya Yamada  
Proposal of indoor evacuation system with  
smartphone

# Honorable Mention

- **Denny Hermawan**
  - Design and Analysis GPU Computing for Molecular Dynamics Simulations with AMBER Applications
- **Irfan Fadhila**
  - Performance Analysis of Virtual Machine and Container for Cloud Based High Performance Computing Platform



# Join Us!

- To subscribe, email to
  - [pragma-student-list+subscribe@googlegroups.com](mailto:pragma-student-list+subscribe@googlegroups.com) (discussion)
  - [pragma-students-announcements+subscribe@googlegroups.com](mailto:pragma-students-announcements+subscribe@googlegroups.com) (public announcements)

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Write something...

RECENT POSTS

**Meilan Jiang** invited the group to The 3th PRAGMA Student Workshop.

31 Like · Comment · Follow Post · 21 hours ago

Seen by 3

**Yuan Luo**

Dear PRAGMA students and mentors,

Please join us for a skype meeting on June 24th/25th.

The main agenda for the meeting is the mentoring relationship between faculty/researchers and students. <http://rocks-210.sdsc.edu/wiki/index.php?title=Mentoring...>

See More

**Mentoring - PRAGMA\_wiki**  
rocks-210.sdsc.edu

To better align student research with PRAGMA activities, the PRAGMA Students is working with faculty/researchers in the PRAGMA community to initiate a mentoring relationship between faculty/researchers and students.

Like · Comment · Unfollow Post · Share · June 20 at 4:36pm near Bloomington

Sandy Charles Peterson and Anun Charoensuk like this. Seen by 10

# Thanks to

- All of the PRAGMA Student members
  - Who join the student workshop and gave presentation of their own work
- All of the PRAGMA Senior members
  - Who cares students, support students' research and be a good model for students

