Southeast Asia International Joint Research and Training Program in High-Performance Computing Applications and Networking Technology

December 3rd, 2007~December 7th, 2007 @ NCHC, Taiwan

Day 1 (12/3 Monday) — Collaboration & Resources

Session 1 @ Int'l Conference Hall

9:00-9:30	**Welcome Opening** ・*Yu-Hong Shan*, Program Director, Department of International Cooperation, National Science Council (NSC) ・*Yeong-Her Wang* , Vice President, National Applied Research laboratories (NARL) ・*Eugene Yeh*, Director, National Center for High-Performance Computing (NCHC) ・*Peter Arzberger*, Chair, Pacific Rim Applications and Grid Middleware Assembly (PRAGMA)
9:30-10:30	**Keynote —** ・21st century ecological research and services- Dr. William Y. Chang, NSF ・New Frontier in Science: Pacific Rim Cyber -Environment- Dr. William Y. Chang, NSF
10:30-10:40	Photo Session
10:40-10:50	Coffee Break

Session 2 (Moderator: *Dr. Weicheng Huang*) @ Int'l Conference Hall

10:50-11:40	PRAGMA Grid — Lessons Learned- *Dr. Cindy Zheng, UCSD*
11:40-12:30	PRAGMA Resources: Middleware, Tools and Network- *Dr. Mason Katz, UCSD*
12:30-13:30	Lunch

SEAIP   Session 3 (Moderator: *Dr. Fang-Pang Lin*) @ Int'l Conference Hall

13:30~14:20	Numerical and Empirical Analysis of Option Pricing under Illiquidity - *Dr. Huimin Chung, NCTU*
14:20~15:00	e-Infrastructure for Taiwan and International Collaboration - *Dr. Eric Yen, Academia Sinica*

PRAGMA Institute   Session 3 (Moderator: *Dr. Weicheng Huang*) @ classroom C

13:30~15:00	Hands-on for Resources I - *Dr. Cindy Zheng／ Dr. Mason Katz／ Dr. Weicheng Huang*

| 15:00~15:20 | Coffee Break |

SEAIP   Session 4 (Moderator: *Dr. Fang-Pang Lin*) @ Int'l Conference Hall

| 15:20~17:30 | Presentations from each Institute of Southeast Asia. |

PRAGMA Institute   Session 4 (Moderator: *Dr. Weicheng Huang*) @ classroom C

| 15:20~17:30 | Hands-on for Resources Ⅱ

- *Dr. Cindy Zheng ／ Dr. Mason Katz ／Dr. Weicheng Huang* |

| 17:40~18:00 | Adjourn |

Day 2 (12/4 Tuesday) — Bioscience

Session 1 (Moderator: *Dr. Shiann-Jeng Yu*) @ Int'l Conference Hall

09:00~09:50	**Keynote** — Building Global Partnership, *Dr. Peter Arzberger, UCSD*
09:50~10:35	**Keynote** — Avian Flu Grid: International Collaborative Environment for Team Science on Avian Influenza, *Dr. Wilfred Li, UCSD*
10:35~10:50	Coffee Break

Session 2 (Moderator: *Dr. Bonita Hong*) @ Int'l Conference Hall

10:50~11:30	Novel Algorithms for Biological Complex problems with Pharmaceutical Applications- *Dr. Jung-Hisn Lin, Academia Sinica*
11:30~12:00	Medical Care Grid - *Dr. Bonita Hong, NCHC*
12:00~13:30	Lunch
13:30~14:00	Real-time Streaming - *Dr. Kevin Lin and TDW team*

SEAIP   Session 3 (Moderator: *Dr.* Te-Lung Liu) @ classroom B

| 14:00~14:30 | TWAREN and International Research Network - **Dr. Te-Lung Liu** |
| 14:30~15:30 | Network Technology Development: Experiences in NCHC - *Dr. Te-Lung Liu* |

PRAGMA Institute   Session 3 (Moderator: *Dr.* Wilfred Li) @ classroom C

| 14:00~15:30 | CSE-Online: A cyberenvironment for computational chemistry, nanotechnology, and drug-design - *Dr. Thanh N. Truong* (Hands-on)

• Basic quantum chemistry calculations for small molecules and interpretations.

• Two examples of nano-materials

• Drug-design for the Avian Flu virus. |

| 15:30~15:40 | Coffee Break |

SEAIP   Session 4 (Moderator: *Dr. Te-Lung Liu*) @ classroom B

| 15:40~16:50 | Hands-on: Network Monitoring and Management - *Mr. Li-Chi Ku* |

PRAGMA Institute Session 4 (Moderator: *Dr. Wilfred Li*) @ classroom C

15:40~16:50	Avian Flu Community Updates
16:50~	Adjourn

Day 3 (12/5 Wednesday) — GeoScience

Session 1 (Moderator: *Dr. Whey-Fone Tsai*) @ Int'l Conference Hall

09:00~09:15	Synergy of Environmental and Disaster Reduction Research and Development - *Dr. Guey Shin CHANG, NARL*
09:15~09:30	Three-dimensional GIS Taiwan - *Dr. Whey-Fone Tsai, NCHC*
09:30~10:15	AIST Geogrid - *Dr. Satoshi Sekiguchi, AIST*
10:15~10:30	Coffee Break

Session 2 (Moderator: *Dr. Whey-Fone Tsai*) @ Int'l Conference Hall

10:30~11:20	GEON: Geoscience Network - *Dr. Ashraf Memon, UCSD*
11:20~11:40	FORMOSAT-2 Satellite Images and Applications - *Dr. Bo Chen, NSPO*
11:40~12:00	Rapid response to a disaster event using space-borne remote sensing imagery - *Dr. Cheng-Chien Liu, NCKU*
12:00~12:20	Aerial Photo-imager Development - *Dr. Ting-Ming Huang, ITRC*
12:20~12:30	Environmental Sensor Network - *Dr. Fang Pang Lin ／ Dr. Te-Ling Chung, NCHC*
12:30~13:30	Lunch

Session 3 (Moderator: *Dr. Fang-Pang Lin*) @ Int'l Conference Hall

13:30~13:45	VR Demo - *Dr. Charlie Chang, NCHC*
13:45~14:00	Applications Platform for Disaster Reduction - *Dr. Wen-Ray Su, NCDR*
14:00~15:00	GEON Tools hands-on - *Dr. Ashraf Memon, UCSD*
15:00~15:20	Coffee Break

PRAGMA Institute Session 4 (Moderator: *Dr. Yoshio Tanaka*) @ Int'l Conference Hall

15:20~17:30	Demonstration of ASTER+Formsat2 system – *Dr. Yoshio Tanaka (PRAGMA Institute)*

SEAIP Session 4 (Moderator: *Mr. Steven Shiau*) @ Classroom B

15:20~17:30	DRBL/Chronzilla- Manage your own PC Clusters and beyond - *Mr. Steven Shiau, NCHC*
17:40~18:30	Wrap up, Award certificate to the attendees

Day 4 (12/6 Thursday) — Breakout Discussions (By Invitation Only)

Session 1-2 (Moderator: *Dr. Fang-Pang Lin*)	
09:00~10:30	· Science Drivers
	· Persistent Infrastructure
10:30-10:50	Coffee Break
10:50~12:30	· Enabling Technology
	· Education and Capacity Building
12:30-13:30	Lunch
13:30~	Cultural Tour to Hua-Lien

Day 5 (12/7 Friday) — Telescience

Session 1 (Moderator: *Dr. Fang-Pang Lin*)	
09:00~09:20	Welcome from National Dung-Huwa University.
	Dr. Chao-shin Chiao, Dean of the Office of Research and Development, NDHU
	Ms. Sonia Huang, Coordinator of International Conferences
09:20~09:50	*PRAGMA Chair Peter Arzberger, UCSD*
	Dr. William Y. Chang, NSF
09:50~10:40	**Keynote** — Telescience of PRAGMA - *Dr. Shinji Shimojo, Osaka University*
10:40~11:00	Photo Session／Coffee Break
Session 2	
11:00~12:30	Long Term Ecological Research -
	Carbon Flux Measurement and the Fluxnet Activities
	- *Dr. Yue-Joe Hsia, NDHU*
	Ecoinformatics and Carbon flux data management and application: progress from the current project - *Dr. Chau Chin Lin, TFRI*
	Ecosystem research at the Chi-Lan Mountain forest site in Taiwan
	- *Dr. Shih-Chieh Chang, NDHU*
12:30~14:00	Lunch
14:00~15:30	Cyber-infrastructure for Telescience.
	Telescience Presentations and Discussions
15:30~	Adjourn