	ASIMMOD2007 Overall Pro				
Monday January 8	3, 2007				
1600-1800		ll, 2 nd Floor, Sheraton Hotel, Chiang Mai.			
Tuesday January 730-830		ıll, 2 nd Floor, Sheraton Hotel, Chiang Mai.			
		in, 2 Troof, Sheraton Froter, Chiang Mai.			
830-900	Opening ceremony H.S.H.Prince Bhisatej Rajani, Chairn	pan Royal Project Foundation			
900-930	Opening address	ian, Royar Froject Foundation			
930-1030	"His Majesty King Bhumibol: long time user of modeling and simulation techniques" by Prof. Dr. Santhad Rojanasoonthon, Director of Research, Royal Project Foundation Room: Nanta A and B Keynote I "Integrated Modeling and Sustainability Assessment" by Professor Tony Jakeman and Susan Cuddy, Australian National University, and CSIRO,				
	Australia Room : Nanta A and B				
1030-1100		(In front of Grand Nanta Hall)			
1000 1100	Session : Applications and	Session: Natural and Agricultural			
	Implementation I (A.I)	Management I (C)			
	Room: Nanta A	Room: Lanna			
1100-1220	A.I (1-4)	C (1-4)			
1220-1330		n (River Terrace Room)			
1330-1500	A.I (5-8)	C (5-8)			
1500-1530		(In front of Grand Nanta Hall)			
1530-1730	A.I (9-14)	C (9-12)			
1830-2100	Conference dinner (Lanna Style, F	Kum Khuntok Place with Northern Thai performances)			
Wesnesday Janu	ıary 10, 2007				
1000-1030	December 2004 Indian Ocean event and Thailand case study" by Dr. Mansour Ioualalen, Institut de Recherche pour le Developpement,IRD, Géosciences Azur, Villefranche-sur-mer, France Room: Nanta A and B 1000-1030 Coffee break				
	Session: Applications and Implementation II (A.II)	Session: Economic and Finance Modelling (E)			
	Room: Nanta A	Room: Lanna			
1030-1200	A.II (1-4)	E (1-4)			
1200-1330	, ,	Lunch			
1330-1500	A.II (5-8)	E (5-8)			
1500-1530	A.II (0 0)	Coffee break			
	Session: Sustainable Production a Development (D)				
1530-1730	D (1-6)	E (9-13)			
Thursday Jan 11	` ,	,			
900-1000	Keynote III Scientific Computings for R Professor Takayuki Aoki, Global Scientif of Technology, Japan Room: Nanta A and B	eal World by TFlops Supercomputer by ic Information and Computing Center, Tokyo Institute Coffee break			
	Session: Advanced Modelling Concepts (B)	Session: Natural and Agricultural Resource Management (C)			
	Room: Nanta A	Room: Lanna			
1030-1200	B (1-4)	C (13-16)			
1200-1330	- (· ·/	Lunch			
1330-1500	B. (5-8)	C (17-20)			
1500-1530	2. (0 0)	Coffee break			
1530-1650	-	C (21-24)			
1700-2000	1700-2000 Farewell drinks and dinner				
	I di Circ				

Detailed program

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January 8, 2007 1600-1800 Registration, Sheraton Hotel, Chiang Mai.

1000-1000 Registration, Sheraton Floter, Chiang Mai.					
January 9, 2	January 9, 2007				
730-830	Registration				
830-900	Opening ceremony				
	H.S.H.Prince Bhisatej Rajani, Chairman, Royal Project Foundation				
900-930	Opening Address				
	"His Majesty King Bhumibol: long time user of modeling and simulation techniques" by Prof.				
	Dr. Santhad Rojanasoonthon, Director of Research, Royal Project Foundation				
	Room: Nanta A and B				
930-1030	Keynote Address				
	"Integrated Modeling and Sustainability Assessment"				
	by Professor Tony Jakeman and Susan Cuddy, Australian National University, and CSIRO, Australia				
1030-1100	Coffee Break				

1030-1100	Coffee Bre	ak				
	Contribute	ed Papers				
			Natural Resource and Agricultural			
	Applicatio	ns and implementation I (A.I)	Resour	Resource Management I (C)		
Room Nanta A	Industrial and transport engineering Dr. Voratas Kachitvichyanukul,		Room Lanna			
	Chair	Asian Institute of Technology, Thailand Integration of Manufacturing	Chair	Dr. Benchaphun Ekasingh, Chiang Mai University, Thailand		
1100-1120	A.I-1	Execution System and Simulation by Kiatkajohn Worapradya and Thaweepat Buranathiti	C-1	Water Allocation Management Information System by Kasem Pinthong and Suwatana Chittaladakorn		
		Regional Clustering of Interconnected Systems with an Advanced FCM by Sang-Hyuk Lee, Se-Hwan Jang,		A Water Allocation Modelling Framework for the Musi Catchment, India by Biju George, Hector M Malano,		
1120-1140	A.I-2	Young-Soo Park and Jin-Ho Kim	C-2	Brian Davidson and Anju Gaur		
1140-1200	A.I-3	Quantum & Monte Carlo Simulation Study of amino acids across on carbon nano tube and Evaluation of Methods and Basis Set Effects by M. Monajjemi and L. Papei	C-3	System Dynamics Modeling for Water Savings and Conjunctive Water Management by Shahbaz Khan, Luo Yufeng and Aftab Ahmad		
1200-1220	A.I-4	A Deep Drawing Process by Inverse Finite Element Analysis by Thaweepat Buranathiti	C-4	Using simple models to accommodate multiple interests in water management: a companion modelling approach by Cécile Barnaud, Tanya Promburom, Guy Trébuil, François Bousquet		
1220-1330	Lunch					
	Chair	Prof. Mitsuhiro Namekawa, Kaetsu University, Japan	Chair	Prof. Shabaz Khan, CSIRO, Australia		
1330-1350	A.I-5	Metropolis Monte-Carlo Computer Simulation of the Phase Behavior of Quaternary Water/Reactant/Oil/Surfactant Systems by Bilkis Jamal Ferdosi and Yusuf Jamal Ferdos	C-5	Provincial crop production estimation using crop models and GIS interface: A case of rice production systems by Attachai Jintrawet and Prakarn Sringam		
1350-1410	A.I-6	Numerical Simulation of Turbulent Flow with Free Surface Movement of Molten Steel in Tundish by S. Kongnual, B. Wiwatanapataphee and Y. H. Wu	C-6	Coupling crop simulation models with generated weather data to asses crop management options by Afshin Soltani and Gerrit Hoogenboom		
1410-1430	A.I-7	The Parallel Simulation Model for Thin Film Deposition Using the DSMC Method by Anan Banharnsakun, Rardchawadee Silapunt, Tiranee Achalakul	C-7	Artificial Neural Network Model for Rainfall-Runoff Relationship by P. Junsawang, J. Asavanant and C. Lursinsap		
1430-1450	A.I-8	Turbulent Flow and Heat transfer under Electromagnetic Force in Continuous Steel Casting Process by B. Wiwatanapataphee, Y-H. Wu	C-8	Spatial Modeling for Assessing Potential Land Use Options by Chalermpol Samranpong and Benchaphun Ekasingh		

January 9, 2007

1450-1530	Break			
		Applications and implementation I (A.I)		Natural Resource and Agricultural Resource Management I (C)
		Room: Nanta A		Room: Lanna
	Chair	Prof. F. Ueda, Toyo University, Japan An Optimized Back-analysis Technique for No-tension Elastic-	Chair	Susan Cuddy, CSIRO, Australia
1530-1550	A.I-9	plastic Analysis by Yong Hong Wu, Cheng Xiang Yang, Benchawan Wiwatanapataphee, Tung Hon	C-9	Modeling Farmers' Crop Choice Using Data Mining Approach: a revisit by Kamol Ngamsomsuke and Benchaphun Ekasingh
		A Hierarchical Model for Heat Transfer in Built-up Structures by P. Toghaw, Y. Lenbury and H. Kaneko		Best Management Strategies for the Australian Dairy Industry Using Multiple Linear Regression Techniques by Daniel Zamykal, Michael Steele, Don
1550-1610	A.I-10		C-10	Kerr and Janet Chaseling
1610-1630	A.I-11	Convection in Liquids with Temperature-dependent Viscosity Under Terrestrial Gravity by V. Ramachandramurthy and D. Uma	C-11	Logistics System in Braided Tree's Business by Ninlawan Choomrit and Mitmanee Triwatanawong
1630-1650	A.I-12	The Vehicle Junction Model and its Verification in Traffic Simulation by Namekawa, M., F.Ueda, Y.Hioki, Y.Ueda and A.Satoh	C-12	Business Process Modeling and Analysis in White Shrimp Industry Using Simulation by Ninlawan Choomrit and Walailak Atthirawong
1650-1710	A.I-13	Design and Simulation of Automatic Suspension Control System of the Fourwheel Vehicle by Wayan Widhiada		
1710-1730	A.I-14	Simulation and Benchmark of an Automotive Underbody Cross Member Panel by Thaweepat Buranathiti		
1830-2100	Conferenc	e dinner (Lanna Style, Kum Khuntok Pl	ace with Northern	Thai performances)

January 10, 2007 900-1000 Keynote address "How numerical simulations may contribute to Tsunami risk preparedness; the 26 December 2004 Indian Ocean event and Thailand case study" by Dr. Mansour Ioualalen, Institut de Recherche pour le Developpement, IRD, Géosciences Azur, Villefranche-sur-mer, France Coffee Break 1000-1030 Applications and implementation II (A.II) Economic and finance modeling (E) Room Nanta A Room Lanna Population, education, health and services Dr. Suhejla Hoti, Prof. Chidchanok Lursinsup, Chair Chulalongkorn University, Thailand Chair University of Western Australia The Economics of Distributing Water in the Musi Catchment of the Krishna Basin: Assessing the Private Costs and Systems modelling in university Benefits by Brian Davidson, Petra education by Subana Hellegers, Paul Glennie, Biju George 1030-1050 E-1 A.II-1 and Hector Malan Shanmuganathan Problem-based Learning Approach for A negative log likelihood function-based Simulation and Modeling by Oonnonlinear neural network approach by E-2 1050-1110 A.II-2 Seng Tan Porntip Dechpichai and Pamela Dayy Modelling Tourist Arrivals to Spain from Implicit Level Set Methods for a Fire the Top Five Source Markets by Spread Model by Pallop Gabriela Alvarez, Suhejla Hoti and 1110-1130 Huabsomboon Michael McAleer A.II-3 E-3 Fire Drill Design by An Optimization Modelling Multivariate International Model: A Case Study of Perry High Tourism Demand and Uncertainty in School by Thaweepat Buranathiti and Maldives and Seychelles by Riaz Shareef 1130-1150 A.II-4 Nate J. Van Wey E-4 and Michael McAleer 1150-1330 Lunch Dr. Supakorn Soontornkit, MSC Dr. Benjawan Wiwatanapataphee, Assets Management Public Co.Ltd., Chair Mahidol University, Thailand Chair Thailand Dynamic Modelling of a Continuous Process Permitting Stable Coexistance of Sensitive Microbial Population and Resistant Microbial Population in a Gastrointestinal Tract by Modelling Seasonal Macroeconomic Tippawan Puttasontiphot, Yongwimon Consumption Behavior and Structural Lenbury, Chontita Rattanakula, Breaks in Thailand by Songsak Sahattaya Rattanamongkonkul, John Sriboonchitta, Aree Wiboonpongse and 1330-1350 A.II-5 R. Hotchkiss and Philip S. Crooke E-5 Yaovarate Chaovanapoonpho Traveling Wave Front Solutions in a Neuronal Model with Lateralinhibition Type of Connection Modelling a Hedonic Price of Northern Function by Sittipong Ruktamatakul, Thai Handicraft Products by Aree Yongwimon Lenbury, and Jonathan Wiboonpongse, Songsak Sriboonchitta 1350-1410 A.II-6 Bell E-6 and Yaovarate Chaovanapoonphol Effect of oblique magnetic field on temperature and concentration Economic Modeling of Technology dependent surface tension driven Differences and Global Competitiveness convection in the absence of gravity of the Abaca Fiber Industry in the by I.F.Mudagall and V. Philippines by Antonio Pajo Abamo and 1410-1430 A.II-7 Ramachandramurthy E-7 Corazon T. Aragon Numerical Simulation of Water Distribution System of Thungmahamek Branch, Bangkok, Thailand by Adichai Pornprommin, Protection of Intellectual Property in the USA by Suhejla Hoti, Michael McAleer Surachai Lipiwattanakarn and 1430-1450 A.II-8 Suwatana Chittaladakorn E-8 and Dan Slottje

1450-1530

Coffee Break

January 10	, 2007			
		Sustainable production and development (D)		Economic and finance modeling (E)
	Chair	Dr. Brian Davidson, University of Melbourne, Australia	Chair	Dr. Kamol Ngamsomsuke, Chiang Mai University, Thailand
Room		Nanta A		Lanna
1530-1550	D-1	Environmental sustainability practices in corporate and public enterprises: a review by Subana Shanmuganathan	E-9	Modeling Conditional Correlations Across International Stock, Bond and Foreign Exchange Markets by Abdul Hakim, Michael McAleer and Felix Chan
4550 4640	D-2	Discrete Choice Model For Public Transport Development in Kuala Lumpur by Abdullah Nurdden, Riza Atiq O.K.Rahmat and Amiruddin	E-10	Modelling the Interactions Across International Stock, Bond and Foreign Exchange Markets: Evidence from Emerging Markets by Abdul Hakim and
1550-1610	D-2	Ismail Governing Teak Furniture Business: A Global Value-Chain System Dynamic Modelling Approach by Herry Purnomo, Philippe Guizol, Dwi	E-10	Michael McAleer Country Risk and Innovation? An Application to Foreign Patents Registered in the USA by Suhejla Hoti
1610-1630	D-3	R. Muhtaman Intercropping of medicinal and aromatic herbs with multipurpose tree species for improved production and higher economic benefits under	E-11	and Michael McAleer
1630-1650	D-4	upland agroforestry systems in northwestern India by P S Thakur, Vaishnu Dutt, Raj Kumar and Sonam Singh	E-12	On the Estimation of Varying β Parameter in the Capital Asset Pricing Model (CAPM) by Songsak Sriboonchitta, Aree Wiboonpongse
1650-1710	D-5	Modeling of Light Oil Recovery through Air Injection in Malaysian Reservoirs by Zeeshan Mohiuddin, Ismail Mohd. Saaid, D.M Anwar Raja and Nor Aidil B Anua	E-13	Modelling Abstention of and Expenditure Shares on Alcohol and Tobacco in Thailand by Songsak Sriboonchitta, Aree Wiboonpongse and Yaovarate Chaovanapoonpho
		Optimisation Scenarios of Tree Growing Under Partnership Schemes for Future Community Based Forest Management in Sumbawa District, Indonesia by Aritta Suwarno, Ani Adiwinata Nawir, Julmansyah and		
1710-1730	D-6	Kurniawan		

Special Announcement: Mini-symposium on International Consortium for Agricultural Systems Applications (ICASA) and Information and Communication Technology (ICT) Tools for sustainable agriculture in Room Nanta II from 1030-1530. All are welcome. See separate program announcement for this Mini-symposium.

January 11, 2007 900-1000 **Keynote address** "Scientific Computings for Real World by TFlops Supercomputer" by Takayuki Aoki, Global Scientific Information and Computing Center, Tokyo Institute of Technology, Japan 1000-1030 Coffee Break **Natural Resource and Agricultural Resource** Advanced modelling concepts **Management II** Room: Nanta A Room Lanna Dr. Attachai Jintawet, Chiang Mai Prof. Yonwimon Lenbury, Chair Mahidol University, Thailand Chair University, Thailand Use participatory modelling to validate Mathematical modelling for and build Multi-Agent System model double-walled carbon nanotube regarding rainfed lowland rice and labour oscillators: Gigahertz oscillatory management in lower northeast Thailand behaviour by Duangkamon by Warong Naivinit, Christophe Le Baowan, Ngamta Thamwattana Page, M. Thongnoi, Guy Trébuil and N. 1030-1050 B-1 and James M. Hill C-13 Srisombat Participatory Simulations of Competing Modelling of Travel Time Aquacultural and Agricultural Land Uses Variability of Transport Systems in Bac Lieu Province, Mekong Delta, by Upali Vandebona and Eli Vietnam by Le Canh Dung, Christophe 1050-1110 C-14 B-2 Ismutulla Le Page, Chu Thai Hoanh Participatory modelling for razor clam Pedestrian Navigation Simulation management at Don Hoi Lord Ramsar site, Thailand by Kobchai in Virtual Environment by Haider Ali, Masum Billah and Soheli Worrapimphong, Nantana Gajaseni and C-15 1110-1130 B-3 Farhana Francois Bousquet Companion modelling to facilitate A 3D Tire/Road Interaction adaptive forest management in Nam Haen sub-watershed, Nan Province, Simulation by a Developed Model (ABAQUS code) by northern Thailand by Pongchai M.Zamzamzadeh and Dumrongrojwatthan., Cécile Barnaud, , Nantana Gajaseni, and G uy Trébuil 1130-1150 B-4 M.Negarestani C-16 1150-1330 Lunch Prof. M. Manajjemi, Dr. Somjate Pratummintra, Thailand Chair Isramic Azad University, Iran Chair Department of Agriculture Numerical Simulation of Blood Flow in the Stenosed Coronary Data-Driven Modeling for Deriving Artery by S. Amornsamankul, B. Coastal Gates Operating Rules by Wiwatanapataphee, Y-H. Wu, Y. Pakorn Ditthakit and Suwatana 1330-1350 B-5 Lenbury C-17 Chittaladakorn Random Search Methods for A Presentation of the Effects of Large-Scale Optimization via Fertilizers on Surface Water Quality Simulation Problems by Using Spatial Information by Alizadeh Noocharin Tippayawannakorn and Shabani, Afshin, Sergei Schreider, 1350-1410 C-18 B-6 Juta Pichitlamken Panlop Zeephongsekul, Julia Schlap Evaluation of Environment Impacts and Comparing the simulated power of Project Design for the construction of discrete goodness-of-fit tests for Breakwater and Groin in Kao Dang, small sample sizes by Michael Kuiburi, Prachuap Khiri Khan, Thailand by Phinai Jinchai and Suwatana Steele, Janet Chaseling and C-19 1410-1430 B-7 Cameron Hurst Chittaladakorn Embedding an Optimization Module within a 3D Density Dependent

Covariance Matrix Interpolations

for Laplace's Equation by with

Correlated Boundary Values by

Nattapong Moonpluck and

Peerayuth Charnsethikul

Coffee Break

1430-1450

1450-1530

B-8

Groundwater and Solute Transport

Model to determine an effective

Groundwater Management Scheme in

the Bangkok Aquifers System by *Phatcharasak Arlai, M. Koch. And S.*

Koontanukulvong

Coffee break

C - 20

January 11, 2007		
	Natural Resource and Agricultural Res Management II (C)	ource
	Room Lanna Dr. Biju George	
	University of Melbo Chair Australia Modelling the cadmium Australia by Supha Kwonpongsagoon, Scheidegger, and Han	n flows in phat Ruth
1530-1550	C-21 Bader Regional Analysis of S Yield in the Part of Cas Coastal Basins by En	spian Sea
1550-1610	C-22 Vafakhah Estimating of Forest Pr Areas from High Res Remote Sensing Imag Thungkwain Forest Pla Lumpang Province by Sangawongse, H. Vu I Prangkio, T. Panchara	olution gery in antation, Somporn Duc, C.
1610-1630	C-23 Termpongpan Comparing Differ Environmental Varia Predictive Models o Distribution by Afshin a Shabani, Lynne C. Ma	rent bles in f Bird <i>Alizadeh</i>
1630-1650	C-24 Mali Abdollahia	
1700-2000	Farewell drinks and dinner (Riverside compound, the Sheraton Hotel)	