

2012 APCBEES SINGAPORE CONFERENCES SCHEDULE

2012 4th International Conference on Bioinformatics and Biomedical Technology (ICBBT 2012)
2012 International Conference on Climate Change and Humanity (ICCCCH 2012)
2012 2nd International Conference on Future Environment and Energy (ICFEE 2012)
&
2012 1st Journal Conference on Chemical Engineering and Applications (JCCEA 2012)

Singapore

Quality Hotel Singapore

February 26-28, 2012

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February 26, 2012 (Sunday)**Emerald Room of Quality Hotel Singapore (Level 2)**

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|------------------------------------|--------------------------|
| 10: 00 – 12: 30 13: 30 - 17: 00 | Arrival and Registration |
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Note: (1) You can also register at any time during the conference.

(2) Certificate of Participation can be collected at the registration counter.

(3) The organizer doesn't provide accommodation, and we suggest you make an early reservation.

(4) One Excellent Paper will be selected from each oral session. The Certificate for Excellent Papers and will be awarded in the Closing Ceremony on February 28, 2012.

Morning, February 27, 2012 (Monday)

Venue: Diamond Room (Level 3)

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|-------------|--|
| 8:30-8:45 | Opening Remarks Saji Baby Environmental Manager (Research and Consultation) & Principal Scientist GEO Environmental Consultation |
| 8:45-9:30 | Keynote Speaker I Prof. Bu-Sung Lee School of Computer Engineering, Nanyang technological University, Singapore "Data Analysis in the Cloud: a Service Framework Perspective" |
| 9:30-10:15 | Keynote Speaker II Sang-Ho Lee Sunchon National University "The Impact of the Introduction of Hydrogen Energy into the Power Sector on the Economy and Energy Sectors" |
| 10:15-11:00 | Keynote Speaker III Saji Baby Environmental Manager (Research and Consultation) & Principal Scientist GEO Environmental Consultation "EVALUATING SUSTAINABILITY OF NUCLEAR ENERGY" |
| 11:00-11:15 | Taking Photo and Coffee Break |

Morning, February 27, 2012 (Monday)

SESSION – 1 (ICFEE)

Venue: Diamond Room (Level 3)

Session Chair:

Time: 11:15 – 12:30

2012 APCBEES SINGAPORE CONFERENCES

| | |
|--------|---|
| F019 | Wind energy assessment for five locations in Saudi Arabia Hassan M. Farh, Ali M. Eltamaly and Mohamed A. A. Mohamed |
| F030 | Thin Film Coating on Particles and Its Application to SO ₂ and NO Removal by Plasma Process Kyo-Seon Kim, Hung-Cuong Pham and Hoang Hai Nguyen |
| F032 | Synthesis of TiO ₂ Photocatalyst Nanoparticles by Thermal Plasmas Hoang Hai Nguyen and Kyo-Seon Kim |
| F20016 | BATCH AND COLUMN STUDY ON 4-CP REMOVAL USING CALCIUM ALGINATE IMMOBILIZED <i>ARTHROBACTER CHLOROPHENOLICUS A6</i> Sujith P. Abraham, N. K. Sahoo, K. Pakshirajan and Pranab Kumar Ghosh |
| F30004 | Furfural production from miscanthus by one step pyrolysis Sung Bong Kim, Hah Young Yoo, Snag Jun Lee, Jun Seok Kim, Chulhwan Park and Seung Wook Kim |
| F30005 | Process Development using Co-immobilized Lipases for Biodiesel Production Ja Hyun Lee, Hah-Young Yoo, Young Joon Suh, Sung Ok Han, Chulhwan Park and Seung Wook Kim |
| F30006 | Optimization of Sodium Hydroxide Pretreatment of Canola Agricultural Residues for Fermentable Sugar Production using Statistical Method Hah-Young Yoo, Sung Bong Kim, Han Suk Choi, Keun Kim, Chulhwan Park and Seung Wook Kim |

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| 12:00 – 13:30 | Lunch |
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Afternoon, February 27, 2012 (Monday)

SESSION – 2 (ICCCH)

Venue: Diamond Room (Level 3)

Session Chair:

Time: 13:30 – 15:30

| | |
|-------|--|
| H003 | Remotely Sensed Data and Multiphase Integration to classify Wetland types, Western Thailand Piyakarn Teartisup and Prapeut Kerdseub |
| H012 | Assessing the Key Factors in Climate Change Studies Shahram MortezaNia, Faridah Othman, Babak Kamali and Roslan Hashim |
| H015 | Climate Change, Socio-economic and Production Linkages in East Malaysia Aquaculture Sector Rosita Hamdan, Fatimah Kari, Azmah Othman and Siti Muliana Samsi |
| H016 | Assessment of Regional Floods Using Cluster Analysis and Regional of Influence (ROI) Method ISAMELDIN A. ATIEM; BADRELDIN G. H. HASSAN; AND FENG PING |
| H2005 | THE INFLUENCE OF RAINFALL VARIABILITY ON ARABLE LAND USE AT LOCAL LEVEL: REALITIES FROM NZHELELE VALLEY, SOUTH AFRICA |

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| | EDMORE KORI, TENDAYI GONDO AND RUDZANI MADILONGA |
| H2009 | Reconceptualizing the Foundations of Knowledge to Enhance the Pedagogic Goals of Environmental Education with Special Reference to the Three Gorges Dam Project Ronald S. Laura and Dan Zhou |
| H2012 | Analytes Extraction and Quantification for Organochlorine Pollutant Residues in Water and Sediments of River Elbe Khan Muhammad Jamil |
| H3004 | Uncertainty Analysis of Climate Change Impacts on Runoff Hadi Galavi, Lee Teang Shui |
| H3006 | CLIMATE SCIENCE INTEGRATION AND URBAN PLANNING: A CLIMATE CHANGE ADAPTATION EXEGESIS TENDAYI GONDO AND EDMORE KORI |

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| 15:30 – 15:50 | Coffee Break |
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Afternoon, February 27, 2012 (Monday)

SESSION – 3 (ICBBT)
Venue: Diamond Room (Level 3)
Session Chair: Saji Baby
Time: 15:50 – 18:00

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|------------|---|
| H003 | A Physical Model for TACE/peptide interactions Sen Liu |
| H005 SC | Finite Element Analysis Approach For Investigation of Breast Cancer Detection Using Microwave Radiation Dr.PattarapongPhasukkit |
| H012 | Statistical validation of magnetic blood pulse as a viable alternative to electrocardiogram for heart rate measurements Chee Teck Phua, Gaëlle Lissorgues, Boon Chong Gooi and Bruno Mercier |
| H013 | Plantar Pressure Difference: Decision Criteria of Motor Relearning Feedback Insole for Hemiplegic Patients Suwaporn Sanghan, Surapong Chatpun, Wipawan Leelasamran |
| H014 | Rule Induction as a Technique of Detecting Severity of Myocardial Infarction Raquib Ridwan , Md Ibnea Sina Bony, Kamrul Hasan, Habib Bin Muzaffar, Raiyan Rahman |
| H015 | In silico structure characterization of Familial Mediterranean fever gene product (pyrin) Lilit Nersisyan, Arsen Arakelyan |
| H016 | Improving Efficiency of Telemedical Prevention Programs through Datamining on Diagnostic Data Petr Nalevka, Vojtech Svatek |
| H043 | Learning-based estimation of functional workspace in cooperative fingers motion Cheung-Wen Chang, Yung-Nien Sun |

Afternoon, February 27, 2012 (Monday)

SESSION – 4 (JCCEA)

Venue: Emerald Room (Level 2)

Session Chair:

Time: 15:50 – 18:00

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| CA003 | Effects of Particle Size Distribution and Packing Characteristics on the Preparation of Highly-Loaded Coal-Water Slurry Patnaree Buranasrisak and Monpilai H. Narasingha |
| CA005 | Picoliter dispensing using liquid bridge breakup in immiscible fluid Dustin Moon, Do Jin Im, Taewoong Uhm and In Seok Kang |
| CA006 | A Numerical Study on Bubble Detachment from Solid Wall and Formation of Jet inside Detached Bubble M.U. Afzal, I.S. Kang |
| CA007 | Optimization of Process Parameters of Methane Decomposition in a Fluidized Bed Reactor Using Ni-Cu/Al ₂ O ₃ Catalysts Marie Loren Y. Palero, Leonila C. Abella, and Teddy G. Monroy |
| CA008 | Effects of stabilizing agents on stability and rheological characteristics of the highly-loaded coal-water slurry N. Ongsirimongkol and M. H. Narasingha |
| CA009 | Transport Phenomena in Pilot Curing Process of Coal and Bio-Coal Briquette Vorrasit Tralape, Monpilai H. Narasingha and Karn Pana-Suppamassadu |
| CA010 | Copper Contamination in the Sediments of Love River Mouth, Taiwan Chiu-Wen Chen, Chih-Feng Chen, and Cheng-Di Dong |
| CA013 | Treatment of a Malaysian Leachate Sample Using Electrocoagulation Masoumeh MoayeriKashani, Salman Masoudi Soltani, S. Sobri |
| CA014 | Preparation of A Locally Produced Activated Carbon From Coconut Shells and Its Use in Reducing Hexamine Cobalt (III) Sodeinde O.A. |
| CA015 | Comparative Study of Some Physical and Chemical Properties of Bio-Oil from Manila Grass (<i>Zoysia Matrell</i> (L.) Merr.) and Water Hyacinth (<i>Eichhornia Crassipes</i> (Mart.) Solms.) Transformed by Pyrolysis Process Kittiphop Promdee, Tharapong Vitidsant, Supot Vanpetch |

Morning, February 28, 2012 (Tuesday)

SESSION – 5 (ICBBT)

Venue: Diamond Room (Level 3)

Session Chair: Dr. Pattarapong Phasukkit

Time: 8:30 – 10:20

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| H019 | Dielectric relaxation study of aqueous amides in non-polar solute using picoseconds time domain technique Mahajan G.R., Kumbharkhane A.C. |
| H020 | Structure prediction of caffeine demethylating enzyme from <i>Pseudomonas alcaligenes</i> V.R.Sarath Babu, M.S. Thakur and Sanjukta Patra |
| H021 | An Improved Method for ECG Morphological Features Extraction from Scanned ECG |

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| | Records Srinivasan Jayaraman and Vani Damodaran |
| H022 | Efficacy of the Extended Principal Orthogonal Decomposition Method on DNA Microarray Data in Cancer Detection Carlyn Lee, Charles Lee |
| H027 | A Novel Method for Blood Flow Measurement based on Sclera Images Jiamao LI, Xiaolin ZHANG |
| H028 | Cloud-enabling Sequence Alignment with Hadoop MapReduce : A Performance Analysis Krithika Arumugam, Yu Shyang Tan, Bu Sung Lee, Rajaraman Kanagasabai |
| H029 | Characteristics of feedback postural control induced by unexpected surface perturbations in elite skiers Asaka T, Mani H, Izumi T, Konishi T, Samukawa M, Yamamoto K, Wang Y and Watanabe K |
| H030 | Developing an Effective Quantification Method of Tongue Deviation Angle to Assess Stroke Patients Ching-Chuan Wei, Sheng-Lin Hsu |
| H032 | Effects of Backpack Load and Gait Speed on Plantar Force During Treadmill Walking Kazuhiko Watanabe, Tadayoshi Asaka, Yun Wang |

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| 10:20 – 10:40 | Coffee Break |
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Morning, February 28, 2012 (Tuesday)

SESSION – 6 (ICFEE)

Venue: Diamond Room (Level 3)

Session Chair:

Time: 10:40 – 12:30

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| F00002 | Detecting Flood Susceptible areas Using GIS-based Analytical Hierarchy Process Dano Umar Lawal |
| F00003 | Barriers and challenges for developing RE policy in Malaysia Sumiani Yusuf, Roozbeh Karooni |
| F00004 | Scenarios on Power Generation in Thailand Weerin Wangjiraniran, Raksanai Nidhiritdhikrai and Bundhit Eua-Arporn |
| F011 | Household Waste Recycling Behavior in Thailand: The Role of Responsibility Achapan Ittiravivongs |
| F012 | Optimized Controlling System for Heliostat by Using the Configuration Factor Dong Il Lee, Seung Wook Baek and Woo Jin Jeon |
| F015 | GIS-based Analysis of Private Lands Expansion using High-resolution Satellite Imagery in Ulaanbaatar, Mongolia Narumasa Tsutsumida, Izuru Saizen, Masayuki Matsuoka and Reiichiro Ishii |
| F016 | Step By Step Analyzing, Modeling and Simulation of Single and Double Module PV Array in Different Environmental Variability S.Mekhilef, M.S.Mahmodian and R.Rahmani |

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| F017 | From landscape modeling to landscape design of wind farms: an integrated approach to sustainable RES development in Parma Province, Italy Alessio Battistella and Matteo Jucker Riva |
| F022 | A Survey of Tehran Hospitals Wastewater Rouhallah Mahmoudkhani, Akbar Mokhtari Azar and Mohamad RezaKhani |
| F027 | Pearson System Distribution Approximation in Wind Energy Potential Analysis Engku Ahmad Azrulhisham, Khairul Parman Zakaria, Samizee Abdullah and Mohd. Juhari Mat Basri |
| F028 | Hydrogenation of Aluminum by Anodic Coating for AlH ₃ Hydrogen Storage Material Masahiko Katagiri, Kuniko Urashima and Seiichi Kato |
| F035 | CFD evaluation of comparison of solid oxide fuel cell performances of different fuels Liyuan Fan, Pv Aravind, E Dimitriou, M.J.B.M. Pourquie and A.H.M. Verkooijen |
| F036 | Preparation and Characterization of YAG:Ce ³⁺ Phosphors by Sol-solvothermal Process Ran Huang, Sai Li, Shaolin Xue, Zhixing Jiang and Shuxian Wu |

Morning, February 28, 2012 (Tuesday)

SESSION – 7 (ICBBT)

Venue: Emerald Room (Level 2)

Session Chair:

Time: 10:40 – 12:30

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| H033 | Analysis of gene expression behaviour by nucleosome and protein binding profiles BichHai Ho and TuBao Ho |
| H034 | An identification of microRNAs that may activate transcription through Ago2 Nilesh Gramani |
| H035 | Automatic Epithelial Cells Detection of Pap smears images using Fuzzy C-Means Clustering Izzati Muhimmah, Rahadian Kurniawan and Indrayanti |
| H039 | Utilization of Fuzzy Logic for classification of heart diseases mohamad reza karimi rad-farahnaz nouri-seyed masih hashemi-mostafa sadeghi mohaseli |
| H041 | A Novel Methodology for High Accuracy Fixational Eye Movements Detection Xiaolin Zhang, Jiamao Li |
| H044 | Using Biomedical Technology for Improving Internship Program: an Experimental Study Payman Salamati, Seyed mansour Razavi, Elham Shahgholi |
| H046 | Prediction of Protein Function From Protein-Protein Interaction Network by Weighted Graph Mining Taewook Kim , Meijing Li, Keun Ho Ryu |
| H047 | Designing predictors of Carbohydrate-binding proteins using informative physicochemical properties Hui-Ling Huang, Hua-Chin Lee, Yi-Fan Liou, Ming-Che Li, and Shinn-Ying Ho |
| H10003 | ESTIMATION OF NITRIC OXIDE METABOLITES AND ANTIBIOTIC AGAINST TYPHOID S.S.HAQUE |

12:30 – 13:30

Lunch

Afternoon, February 28, 2012 (Tuesday)

SESSION – 8 (ICBBT)
 Venue: Diamond Room (Level 3)
 Session Chair:
 Time: 13:30 – 15:30

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| H10011 | WSN INTEGRATED CLOUD FOR AUTOMATED TELEMEDICINE (ATM) BASED E-HEALTHCARE APPLICATIONS Perumal.B, Pallikonda Rajasekaran and Ramalingam.H.M |
| H10012 | Structure and Dynamics of Indonesian H274Y Mutant Avian Influenza Virus Neuraminidase Type 1 (N1) with Its Inhibitors Sigit Jaya Herlambang and Rosari Saleh |
| H10016 | Offline Persian Writer Identification Based on Wavelet Analysis Reyhaneh Eslami, Mohammad Akbari |
| H30002 | Affectivity of the Imidazole Anticancer drug on the Diagnosis of the Cancers by using Quantum Chemical Methods SoroorSoraya-SeyedSinaSoraya |
| H30003 | Antibacterial activity of mangosteen hull extract against <i>Listeria monocytogenes</i> Pussadee Tangwatcharin, Nutwara Meannui and Arunrat Onyen |
| H30004 | Argan – an artificial sequencing tool for simulated data and experimental work Mohammed Sahli, and Tetsuo Shibuya |
| H30007 | Lymphocyte Proliferation by Temu Lawak (Curcuma xanthorrhiza ROXB) Essential Oil MIKSUSANTI |
| H30008 | Comparative in- Silico inhibition study of different proteins by MIC & HCN using molecular docking <u>Rahul Shrivastava</u> , Madhukar Sirmaur, P. K. Mishra, Mohd Yasir & Akash Tiwari |
| H30011 | Influence of the Percentage of Polar and Non-polar Amino-acids in the β -tubulin gene of the Nematophagous fungus : <i>Arthrobotrys musiformis</i> in conferring Benzimidazole Resistance B. M. S. Jarullah, K. Katudia, R. B. Subramanian, S. Kajal and J. S. Jarullah. |

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| 15:30 – 15:50 | Coffee Break |
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Afternoon, February 28, 2012 (Tuesday)

SESSION – 9 (ICFEE)
 Venue: Diamond Room (Level 3)
 Session Chair:
 Time: 15:50 – 18:00

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| F10003 | Removal of Mercaptance From Diesel P. K. Chaudhari |
| F10006 | Kinetic Parameters and Evaluation Performance for Decolorization Using Low Cost Adsorbent Vikrant V.Khadake and S.K.Deshmukh |
| F10008 | Optimal Oil Pipeline Route Selection using GIS:Community Participation in Weight |

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| | derivation and Disaster Mitigation Abdul-Lateef Balogun, Abdul-Nasir Matori, Dano Umar Lawal and Imtiaz Chandio |
| F10020 | Use of Waste Plastic and Waste Rubber Tyres in Flexible Highway Pavements Rokade S |
| F20009 | CHARACTERIESTICS OF LOW LIME FLY ASH STABILISED WITH LIME AND GYPSUM Kishan D, Nitin Dindorkar and Rijnish Shrivastava |
| F20011 | Indian Distillery Industry: Problems and Prospects of Decolourisation of Spentwash Mrityunjay Singh Chauhan and Anil Kumar Dikshit |
| F20014 | The Role of Buildings Forms in Energy Gain in High-rise Building through Facades (Case Study: Iran, Tehran) Mohammadjavad Mahdavinejad, Mohammadhossein Ghasempourabadi, Hojat Ghaedi |
| F20017 | Remediation of Pb/Cd-contaminated Forest Soils by Compost and Mycorrhizae: Will it be a solution to the forest dieback? Gunadasa HKSG, Yapa PI, Nissanka SP and Perera SP |
| F20018 | Optimization of Thermosyphon Solar Water Heaters Using TRNSYS. Part2: Parametric Study Using a Modified TRNSYS Model M.J.R. Abdunnabi and D.L. Loveday |
| F20019 | Optimization of Thermosyphon Solar Water Heaters Using TRNSYS. Part1: Improved Model development and Validation M.J.R. Abdunnabi and D.L. Loveday |
| F20023 | The Impact of the Introduction of Hydrogen Energy into the Power Sector on the Economy and Energy Sectors SANG-HO LEE, CHUNG-SIL KIM and Dong-in Kim |
| F30010 | Adsorption of Fluoride from Drinking Water on Magnesium substituted Hydroxyapatite Pankaj Garg and Sanjeev Chaudhari |

February 28, 2012, 19:00

Dinner and Closing Ceremony

Instructions for Oral Presentations

Devices Provided by the Conference Organizer:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Laser Sticks

Materials Provided by the Presenters:

PowerPoint or PDF files (Files shall be copied to the Conference Computer at the beginning of each Session)

Duration of each Presentation (Tentatively):

Regular Oral Session: about 15 Minutes of Presentation 5 Minutes of Q&A

Keynote Speech: 30 Minutes of Presentation 5 Minutes of Q&A

Conference Venue: Quality Hotel Singapore

www.qualityhotel.com.sg

Quality Hotel Singapore is a member of Choice Hotels International - one of the largest and most successful lodging franchisors in the world. It is strategically located at the heart of Balestier, an established food street nestled on the fringe of the Central Business District of Singapore, making us an ideal choice for that authentic Singapore travel experience for leisure and business travellers.

Encompassing 240 well-appointed rooms and suites that are designed with an emphasis on the ease and comforts of home, our rooms offer guests a comfortable rest area and practical workspace complete with modern day amenities and dedicated leisure facilities like the swimming pool, gymnasium and sauna rooms.

Quality Hotel Singapore is home to a host of dining options. Savour a sumptuous spread of Asian Rice and Taiwan Porridge Buffets at the Quality Café, or relish popular authentic dishes such as Quality Laksa and Prawn Mee served at the Terrace Café. Lounge on our comfortable sofas, chill out and unwind to music, drinks and entertainment at the Piano Lounge after a hard day's work.

Besides popular food streets, Quality Hotel Singapore is within close proximity to:

- United Square and Novena Square shopping malls (5 minutes drive)
- Orchard Road (10 minutes drive)
- Suntec City (15 minutes drive)
- Central Business District (15 minutes drive)
- Singapore Expo (20 minutes drive)
- Changi International Airport (20 minutes drive)

Public transports such as buses and taxis are also available just outside our hotel.

With premium quality accommodation at affordable prices, experience a personalized service with

Quality Hotel Singapore today.

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