



The 10th Emerging Information & Technology Conference

James H. Clark Center, Stanford University
Stanford, California, U.S.A.

August 14-15, 2010

Saturday, August 14, 2010 (Day 1)

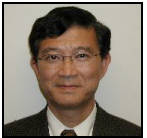
8/14 (Sat) 8:30 am - 9:20 am : Opening Session

Room: Auditorium

Chair: **Professor Lin-Shan Lee**, National Taiwan University (台灣大學電機資訊學院院長 李琳山 教授)



Mr. Thomas J. C. Chen (tecosf@sbcglobal.net)
Director General, Taipei Economic and Cultural Office in San Francisco
駐舊金山台北經濟文化辦事處 陳經銓 處長



Professor Ching Hsien Wang (wangch@stanford.edu)
Director, Pediatric Neuromuscular Clinic, Lucile Packard Children's Hospital, Stanford University
史丹佛大學醫學院神經內科 汪慶賢 教授



Ms. Josephine M. Cheng (chengjm@us.ibm.com)
IBM Fellow and Vice President, IBM Almaden Research Center
國際商業機器公司副總裁 鄭妙勤 女士



Professor Lin-Shan Lee (lslee@cc.ee.ntu.edu.tw)
Dean, College of Electrical Engineering and Computer Science, National Taiwan University
台灣大學電機資訊學院院長 李琳山 教授

8/14 (Sat) 9:20 am - 10:40 am : Technical Session D1-W1-T1: Energy, Environment and Sustainability

Chair: **Professor Che-Wun Hong**, National Tsing Hua University (清華大學動力機械工程學系 洪哲文 教授)

Room: S363



"Efficient data management for green data centers"
Dr. Hui-I Hsiao (hhsiao@us.ibm.com)
Program Director, Technology Innovation for Emerging Market, IBM Almaden Research Center
國際商業機器公司研究中心新興市場技術創新計畫主持人 蕭暉議 博士



"Integration of renewable energy"
Mr. Rick Geiger (rggeiger@cisco.com)
Solutions Director, Utilities and Smart Grid, Business Transformation Team, Cisco Systems
思科系統公司公用事業智能電網解決方案總監 蓋格 先生



"Enabling technologies for customer demand and budget management in the deregulated environment"
Professor Wei-Jen Lee (wlee@uta.edu)
Director, Energy Systems Research Center, University of Texas, Arlington
德州大學阿靈頓分校能源系統研究中心主任 李偉仁 教授

8/14 (Sat) 9:20 am - 10:40 am : Technical Session D1-W2-T1: Computational Genomics and System Biology

Chair: **Professor Li-San Wang**, University of Pennsylvania (賓州大學醫學院 王立三 教授)

Room: S362



“Marker-set analysis for genetic main and gene-environment effects via gene-trait similarity regression”

Professor Jung-Ying Tzeng (jytzeng@stat.ncsu.edu)

Department of Statistics and Bioinformatics Research Center, North Carolina State University

北卡洛來那州立大學統計系 曾仲瑩 教授



“Application of systems biology on the research of mental disorders”

Professor Cheng-Yan Kao (cykao@csie.ntu.edu.tw)

Department of Computer Science and Information Engineering, National Taiwan University

台灣大學資訊工程學系 高成炎 教授



“Discovering gapped binding sites of transcription factors”

Professor Chien-Yu Chen (cychen@mars.csie.ntu.edu.tw)

Department of Bio-Industrial Mechatronics Engineering, National Taiwan University

台灣大學生物產業機電工程學系 陳倩瑜 教授

8/14 (Sat) 9:20 am - 10:40 am : Technical Session D1-W3-T1: Nanotechnology

Chair: **Professor Darrin J. Young**, University of Utah (猶他州立大學楊駿教授)

Room: S361



“Nanogenerator for electric clothing”

Professor Liwei Lin (lwl@me.berkeley.edu)

Co-Director, Berkeley Sensor and Actuator Center, University of California, Berkeley

加州大學柏克萊分校機械工程系 林立偉 教授



“Nanowire electromechanical devices and systems – From fundamentals to emerging technologies”

Dr. Philip X. L. Feng (xfeng@caltech.edu)

Senior Staff Scientist, Kavli Nanoscience Institute, California Institute of Technology

加州理工學院奈米科學研究所 馮曉勵 博士



“Low power sensing electronics for high-resolution error-correcting biomechanical ground reaction sensor”

Professor Darrin J. Young (darrin.young@utah.edu)

Department of Electrical and Computer Engineering, University of Utah

猶他州立大學電機工程與計算機科學系 楊駿 教授

8/14 (Sat) 9:20 am - 10:40 am : Technical Session D1-W4-T1: System-on-Chip Design Automation

Chair: **Professor Sao-Jie Chen**, National Taiwan University (台灣大學電機工程學系 陳少傑 教授)

Room: S360



“System-on-chip: Will scaling challenges curtail growth?”

Dr. Howard Ko (howardko@synopsys.com)

Senior Vice President and General Manager, Silicon Engineering Group, Synopsys, Inc.

新思科技有限公司資深副總裁 柯復華 博士



“Digital system verification using massively parallel processor arrays”

Dr. Mikhail Bershteyn (bmike@cadence.com)

Fellow, Cadence Design Systems

益華電腦科技公司院士 柏旭天 博士



“The challenge of system-level design”

Dr. Andreas Kuehlmann (kuehl@cadence.com)

Director, Cadence Research Laboratories, Cadence Design Systems

益華電腦科技公司研究實驗室主任 柯曼 博士

8/14 (Sat) 10:40 am - 11:00 am : Break

8/14 (Sat) 11:00 am – 12:20 pm : Technical Session D1-W1-T2: Energy, Environment, and Sustainability

Chair: **Professor Wei-Jen Lee**, the University of Texas at Arlington, (德州大學阿靈頓分校 李偉仁 教授)

Room: S363



“Electrochemical energy conversion and storage – fuel cells and redox battery”

Professor Kan-Lin Hsueh (KanLinHsueh@nuu.edu.tw)

Director of Energy Research Center, National United University

聯合大學能源研究中心主任 薛康琳 教授



“Direct conversion of green energy: From quantum to system”

Professor Che-Wun Hong (cwhong@pme.nthu.edu.tw)

Department of Power Mechanical Engineering, National Tsing Hua University

清華大學動力機械工程學系 洪哲文 教授



“Smart grid – Demand-side perspectives”

Dr. Edwin Wen-Hsiung Liu (eliu@quanta-technology.com)

Vice President of Strategy Initiatives and Executive Advisor, Quanta Technology

量子技術公司副總裁 劉文雄 博士

8/14 (Sat) 11:00 am – 12:20 pm : Technical Session D1-W2-T2: Medicine

Chair: **Professor Wen-Yih Isaac Tseng**, National Taiwan University (台灣大學醫學院 曾文毅 教授)

Room: S362



“Epigenetic control of heart development and disease”

Professor Ching-Pin Chang (chingpin@stanford.edu)

Division of Cardiovascular Medicine, Department of Medicine, Stanford University

史丹佛大學醫學系 張景濱 教授



“Imaging technology for personalized medicine”

Professor Wen-Yih Isaac Tseng (wyttseng@ntu.edu.tw)

Center for Optoelectronic Biomedicine, College of Medicine, National Taiwan University

台灣大學醫學院光電生物醫學中心 曾文毅 教授



“Electrical stimulation of degenerate retina towards the development of prosthetic vision for the blind”

Dr. Leanne Lai-Hang Chan (lechan@chla.usc.edu)

Post-doctorate Fellow, Saban Research Institute, Childrens Hospital Los Angeles

洛杉磯兒童醫院 陳儷行 博士

8/14 (Sat) 11:00 am – 12:20 pm : Technical Session D1-W3-T2: Nanotechnology

Chair: **Professor Chih-Hung (Alex) Chang**, Oregon State University (奧勒岡州立大學化學工程系 張至弘 教授)

Room: S361



“Nanoporous membranes formed by interferometric lithography”

Dr. Joseph W. Tringe (tringe2@llnl.gov)

Staff Scientist, Lawrence Livermore National Laboratory

勞倫斯立佛摩國家實驗室 特林其 博士



“Opportunities and challenges in developing flexible organic electronics”

Professor Samuel Graham (sgraham@gatech.edu)

The George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology

喬治亞理工學院機械工程系 葛蘭姆 教授

8/14 (Sat) 11:00 am – 12:20 pm : Technical Session D1-W4-T2: Medical System-on-Chip

Chair: **Professor Kea-Tiong Samuel Tang**, National Tsing Hua University (清華大學電機工程學系 鄭桂忠 教授)

Room: S360



“Low-power analog front-end circuits for healthcare system and telemetry devices”

Professor Shuenn-Yuh Lee (ieesyl@ccu.edu.tw)

Department of Electrical Engineering, National Chung Cheng University

中正大學電機工程學系 李順裕 教授

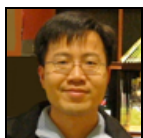


“Towards an electronic nose system-on-chip”

Professor Kea-Tiong Samuel Tang (kttang@ee.nthu.edu.tw)

Department of Electrical Engineering, National Tsing Hua University,

清華大學電機工程學系 鄭桂忠 教授



“Low-power analog front-end circuits for ECG acquisition systems”

Professor Tsung-Heng Tsai (tsai@ee.ccu.edu.tw)

Department of Electrical Engineering, National Chung Cheng University

中正大學電機工程學系 蔡宗亨 教授

8/14 (Sat) 12:20 pm – 2:00 pm : Lunch

8/14 (Sat) 2:00 pm – 3:00 pm: Workshops 1 & 3 Keynote (Energy and Nanotechnology)

Chair: **Professor Che-Wun Hong**, National Tsing Hua University (清華大學動力機械工程學系 洪哲文 教授)

Room: S361



“Energy conversion at nano-scale”

Professor Friedrich B. Prinz (fbp@cdr.stanford.edu)

Rodney H. Adams Professor and Robert Bosch Chair, School of Engineering, Stanford University

史丹佛大學機械工程系主任 普林思 教授

8/14 (Sat) 2:00 pm – 3:00 pm: Workshop 4 Keynote (System-on-Chip):

Chair: **Professor Liang-Gee Chen**, National Taiwan University (台灣大學電機資訊學院副院長 陳良基 教授)

Room: S360



“Chip design and implementation service in Taiwan”

Dr. Chin-Long Wey (clwey@cic.org.tw)

Vice President, National Chip Implementation Center, National Applied Research Laboratories

國家實驗研究院國家晶片系統設計中心主任 魏慶隆 博士

8/14 (Sat) 3:00 pm – 4:20 pm : Technical Session D1-W1-T3: Energy, Environment, and Sustainability

Chair: **Professor Grace Lin**, Columbia University (哥倫比亞大學工業工程系 林蔚君 教授)

Room: S363



“Business process management for sustainability”

Dr. Ko-Yang Wang (kyw@us.ibm.com)

Distinguished Engineer, Business Process Management, IBM Global Business Services

國際商業機器公司全球商業服務部門傑出工程師 王可言 博士



“High pressure soda pop - How can we use it greenly?”

Dr. Hsiao-Yuan Bruce Li (bli@GhGSaviorTech.com)

President and Chief Technology Officer, GhG SaviorTech Corporation

GhG SaviorTech 總裁 李曉遠 博士



“Trends of green vehicle development”

Professor Yi-Hsuan Hung (hungyh@ntnu.edu.tw)

Department of Industrial Education, National Taiwan Normal University

師範大學工業教育學系 洪翊軒 教授

8/14 (Sat) 3:00 pm – 4:20 pm : Technical Session D1-W2-T3: Bioinformatics

Chair: **Professor Jung-Ying Tzeng**, North Carolina State University (北卡洛來那州立大學統計系 曾仲瑩 教授)

Room: S362



“Correcting population stratification in genetic association studies using a phylogenetic approach”

Professor Li-San Wang (lswang@mail.med.upenn.edu)

Institute on Aging / Penn Center for Bioinformatics, University of Pennsylvania

賓州大學醫學院 王立三 教授



“The past, present and future of genome-wide association studies (GWAS)”

Kei-Hang Katie Chan (katiekhchan@ucla.edu)

Department of Epidemiology, University of California, Los Angeles

加州大學洛杉磯分校流行病學系研究生 陳紀行



“Investigation of endo- and exo-type of hydrolase by protein structure simulation”

Chih-Yu Cheng (cycheng@mail.nkmu.edu.tw)

Department of Marine Biotechnology, National Kaohsiung Marine University

高雄海洋科技大學海洋生物技術系 鄭至玉 教授

8/14 (Sat) 3:00 pm – 4:20 pm : Technical Session D1-W3-T3: Nanotechnology

Chair: **Professor Hsuan-Liang Liu**, National Taipei University of Technology (台北科技大學 劉宣良 教授)

Room: S361



“Nanofabrication and radiation hard testing of TiO₂ memristor devices”

Dr. William M. Tong (will.tong@transelcorp.com)

Technology Advisor, Nanofabrication & Nonvolatile Memory, TransEL

TransEL 技術顧問 唐文偉 博士



“Mesoporous materials for biomedical and energy applications”

Professor Chia-Wen (Kevin) Wu (kevinwu@ntu.edu.tw)

Department of Chemical Engineering, National Taiwan University

台灣大學化學工程系 吳嘉文 教授



“Towards cost-effective encapsulation architectures and barrier layers for organic electronic devices”

Dr. Jimmy Granstrom (jimmy.granstrom@me.gatech.edu)

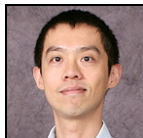
Post-doctoral fellow, School of Mechanical Engineering, Georgia Institute of Technology

喬治亞理工學院研究員 葛蘭斯重 博士

8/14 (Sat) 3:00 pm – 4:20 pm : Technical Session D1-W4-T3: Wireless System

Chair: **Professor Yung-Hsiang Lu**, Purdue University (普度大學電機與計算機工程學院 陸永祥 教授)

Room: S360



“Mobile and cloud computing – Opportunities and challenges”

Professor Yung-Hsiang Lu (yunglu@purdue.edu)

School of Electrical and Computer Engineering, Purdue University

普度大學電機與計算機工程學院 陸永祥 教授



“Beyond 3G™, Unlimited capacity”

Dr. James Larsen (james.larsen@iwics.com)

CEO & Chairman, Intelligent Wireless Integrated Communications Systems (IWICS, Inc.)

IWICS 執行長 拉森 博士



“A multimedia routing algorithm in multipath environment”

Zye-Kong Cheng (zkc@ichipdesign.com)

System Architect, iCHIPdesign International, Inc.

iCHIPdesign 系統建築師 鄭志剛 先生

8/14 (Sat) 4:40 pm – 6:00 pm : Technical Session D1-W1-T4: Energy, Environment and Sustainability

Chair: **Professor Kan-Lin Hsueh**, National United University (聯合大學能源研究中心主任 薛康琳 教授)

Room: S363



“American Power Act to world power practice: A giant paradigm shift toward a carbon economy”

Dr. Truman G. Blocker III (tblocker3@GhGSaviorTech.com)

Director, Research and Development, GhG SaviorTech Corporation

GhG SaviorTech 研發長 布拉克 博士



“From renewable energy to energy saving: Fluid and thermal aspect”

Professor Shih-Hsiung Chen (shchen86@hotmail.com)

Department of Aeronautics and Astronautics, National Cheng Kung University

成功大學航空太空工程學系 陳世雄 教授



“Development of an environmentally benign, multifunctional biomedical surface treatment system using an atmospheric-pressure plasma jet”

Professor Jong-Shinn Wu (chongsin@faculty.nctu.edu.tw), National Chiao Tung University

交通大學機械工程學系 吳宗信 教授

8/14 (Sat) 4:40 pm – 6:00 pm : Technical Session D1-W3-T4: Nanotechnology

Chair: **Professor Kuo-Lun Allan Tung**, Chung Yuan University (中原大學薄膜研發中心主任 童國倫 教授)

Room: S361



“A novel computational approach to identify the binding modes of various dyes towards different protofibrils associated with neurodegenerative disorders and virtual screening”

Professor Hsuan-Liang (Kevin) Liu (fl0894@ntut.edu.tw), National Taipei University of Technology

台北科技大學生物科技研究所所長 劉宣良 教授



“Nanopore characterization techniques – Status quo and future development”

Professor Kuo-Lun Allan Tung (kuolun@cycu.edu.tw)

Director, Research and Development Center for Membrane Technology, Chung Yuan University

中原大學薄膜研發中心主任 童國倫 教授



“Engineering microsystems to guide cell behaviors”

Professor Chia-Chi Ho (Chiachi.Ho@UC.edu)

Department of Chemical and Materials Engineering, University of Cincinnati

辛辛那提大學化學與材料工程系 何嘉琪 教授

8/14 (Sat) 4:40 pm – 6:00 pm : Technical Session D1-W4-T4: Multimedia System-on-Chip

Chair: **Professor Jiun-In Guo**, National Chung Cheng University (中正大學資訊工程系 郭峻因 教授)

Room: S360



“Low power video technology for multimedia SoC design”

Professor Jiun-In Guo (jiguo@cs.ccu.edu.tw)

Chair, Department of Computer Science and Information Engineering, National Chung Cheng University

中正大學資訊工程系主任 郭峻因 教授



“Debunking the 100x GPU vs. CPU myth: An evaluation of throughput computing on CPU and GPU”

Dr. Yen-Kuang Chen (yen-kuang.chen@intel.com)

Principal Research Scientist, Intel Corporation

英代爾公司研究科學家 陳彥光博士



“Innovation and commercialization of microdisplay for 3D applications”

Dr. Bor-Yeu Tsaur (btsaur@kopin.com)

Executive Vice President and General Manager, Display Operations, Kopin Corporation

高平磊晶科技 執行副總裁 曹伯禹 博士

8/14 (Sat) 7:00 pm – 9:00 pm : Dinner Keynote Speech (by invitation)



“Economic Cooperation Framework Agreement and its impact on Taiwan economy & cross-strait relations”
Dr. James Hsin-Hua Wu (hhwu@moea.gov.tw)
Director, Commercial Division, Taipei Economic & Cultural Office in Los Angeles
駐洛杉磯台北經濟文化辦事處商務組組長 吳新華 博士

Sunday, August 15, 2010 (Day 2)

8/15 (Sun) 9:15 am - 10:35 am : Technical Session D2-W1-T1: New Energy, Environment and Sustainability

Chair: **Peter Mei**, 21-Century Silicon, Inc. (21-Century Silicon 執行長 梅家駒)

Room: S363



“Teaching entrepreneurs how to build sustainable businesses”
Professor Dwight Collins (dwight.collins@presidioedu.org)
Sustainability Management, Presidio Graduate School
普思迪歐管理學院 柯林斯 教授



“Sustainable globally integrated enterprise”
Professor Grace Y. Lin (gyl2103@columbia.edu)
Department of Industrial Engineering & Operations Research, Columbia University
哥倫比亞大學工業工程系 林蔚君 教授

8/15 (Sun) 9:15 am - 10:35 am : Technical Session D2-W3-T1: Nanotechnology

Chair: **Professor Lei Kerr**, Miami University (俄亥俄州邁阿密大學化學工程系柯蕾教授)

Room: S361



“Nano-structures for solar cells”
Professor Ching-Fuh Lin (cflin@cc.ee.ntu.edu.tw)
Graduate Institute of Photonics and Optoelectronics, National Taiwan University
台灣大學電機工程學系 林清富 教授



“Cobalt oxide nanowire arrays: Synthesis, properties, and energy applications”
Professor Yiying Wu (wu@chemistry.ohio-state.edu)
Department of Chemistry, Ohio State University
俄亥俄州立大學化學系 吳屹影 教授



“Deposition processes of thin-film CIGS-based solar cells”
Professor Chia-Hua Huang (chuang@mail.ndhu.edu.tw)
Department of Electrical Engineering, National Dong Hwa University
東華大學電機工程學系 黃家華 教授

8/15 (Sun) 9:15 am - 10:35 am : Technical Session D2-W4-T1: System-on-Chip

Chair: **Professor Wei Hwang**, National Chiao-Tung University (交通大學電子工程系 黃威 教授)

Room: S360



“Memory-centric on-chip data communication platform for energy-efficient heterogeneous systems”

Professor Wei Hwang (hwang@mail.nctu.edu.tw)

Department of Electronics Engineering, National Chiao Tung University

交通大學電子工程系 黃威 教授



“Modularized board-level and system-in-package platforms for complex system integration and prototyping”

Dr. Chun-Ming Huang (cmhuang@cic.org.tw)

National Chip Implementation Center, National Applied Research Laboratories

國家實驗研究院晶片系統設計中心設計服務組長 黃俊銘 博士



“Constructing electronic system level models using Simulink”

Dr. Emerson Ming-Fu Hsiao (emerson@faraday-tech.com)

Director, Field Application and Marketing, Faraday Technology Corporation

智原科技現場應用和市場營銷主任 蕭明富 博士

8/15 (Sun) 11:00 am – 12:20 pm : Technical Session D2-W1-T2: Energy, Environment and Sustainability

Chair: **Professor Grace Lin**, Columbia University (哥倫比亞大學工業工程系 林蔚君 教授)

Room: S363



“Eco-valley, a holistic approach to green economy”

Albert Oung (aoung@earthbuddy.hk)

Founder & CEO, Earth Buddy Inc. and Eco-Valley Inc.

球誼環保集團創辦人 汪振富 先生



“Venture opportunities in energy, environment, and sustainability”

Dr. Matthew Denesuk (denesuk@us.ibm.com)

Scientist, IBM Research & Partner, IBM Venture Capital

國際商業機器公司風險資本部門科學家 丹思克 博士



“Smart grid”

Dr. Erfan Ibrahim (eibrahim@epri.com)

Smart Grid Communications & Cyber Security Lead, Electric Power Research Institute (EPRI)

電力研究所 亞伯拉漢 博士

8/15 (Sun) 11:00 am – 12:20 pm : Technical Session D2-W3-T2: Nanotechnology

Chair: **Professor Kuan-Jiuh Lin**, National Chung Hsing University (中興大學化學系 林寬鋸 教授)

Room: S361



“CdS sensitized nanocrystalline solid state and liquid state solar cells”

Professor Lei Kerr (kerrll@muohio.edu)

Department of Paper and Chemical and Engineering, Miami University

俄亥俄州邁阿密大學化學工程系 柯蕾 教授



“Atomic force microscope direct write of Ge nanostructures on Si”

Stephanie Vasko (vasko@u.washington.edu)

Department of Materials Science and Engineering, University of Washington

華盛頓大學材料科學與工程系研究生 法斯柯



“Nanostructured energy applications”

Professor Yi Cui (yicui@stanford.edu)

Department of Materials Science and Engineering, Stanford University

史丹佛大學材料科學與工程系 崔屹 教授

8/15 (Sun) 11:00 am – 12:20 pm : Technical Session D2-W4-T2: Medical System-on-Chip

Chair: **Professor Liang-Gee Chen**, National Taiwan University (台灣大學電機資訊學院副院長 陳良基 教授)

Room: S360



“Smart CMOS image sensors for biomedical applications”

Professor Jun Ohta (ohta@ms.naist.jp)

Graduate School of Materials Science, Nara Institute of Science and Technology, Japan

奈良先端科學技術大學院 太田淳教授



“CMOS for biomedical applications”

Professor Luke Theogarajan (ltheogar@ece.ucsb.edu)

Department of Electrical and Computer Engineering, University of California at Santa Barbara

加州大學聖他芭芭拉分校電機與計算機工程學系 希歐格拉強 教授



“Design and implementation of an XML parsing engine”

Professor Sheng-De Wang (sdwang@ntu.edu.tw)

Department of Electrical Engineering, National Taiwan University

台灣大學電機工程學系 王勝德 教授

8/15 (Sun) 2:00 pm – 3:20 pm : Technical Session D2-W3-T3: Nanotechnology

Chair: **Professor Ching-Fuh Lin**, National Taiwan University (台灣大學電機工程學系 林清富 教授)

Room: S361



“Well-aligned multi-walled carbon nanotubes emitting natural white-light under microwave irradiation”

Professor Kuan-Jiuh Lin (kjlin@dragon.nchu.edu.tw)

Department of Chemistry, National Chung-Hsing University

中興大學化學系 林寬鋸 教授



“Electrodeposition of gold, silver on carbon nanotube thin films”

Dr. Si-Ty Lam (sity.lam@hp.com)

Principal Project Scientist, Information Surfaces Lab, HP Laboratories, Hewlett-Packard Company

惠普實驗室 林士智 博士



“New paradigms for manipulation of DNA molecules at the nanoliter scale”

Professor Hsien-Hung Wei (hhwei@mail.ncku.edu.tw)

Department of Chemical Engineering, National Cheng-Kung University

成功大學化學工程學系 魏憲鴻 教授

8/15 (Sun) 2:00 pm – 3:20 pm : Technical Session D2-W4-T3: Communication System-on-Chip

Chair: **Professor Chen-Yi Lee**, National Chiao-Tung University (交通大學研發長 李鎮宜 教授)

Room: S360



“Recent progress in communications SoC’s”

Professor Chen-Yi Lee (cylee@mail.nctu.edu.tw)

Vice President, Office of Research and Development, National Chiao-Tung University

交通大學研發長 李鎮宜 教授



“Physical design challenge to cognitive radio/software defined radio”

Professor Kazuya Masu (masu.k.aa@m.titech.ac.jp)

Integrated Research Institute & Solutions Research Laboratory, Tokyo Institute of Technology

東京工業大學統合研究院 益一哉 教授



“Recent progress in design methodologies for software defined radio”

Professor Yu-Hen Hu (hu@engr.wisc.edu)

Department Electrical and Computer Engineering, University of Wisconsin – Madison

威斯康辛大學電機與計算機工程學系 胡玉衡 教授

8/15 (Sun) 3:40 pm – 5:00 pm : Technical Session D2-W3-T4: Nanotechnology

Chair: **Professor Hsien-Hung Wei**, National Cheng-Kung University (成功大學化學工程系 魏憲鴻 教授)

Room: S361



“Synthesis and post-processing of nanomaterials using microreaction technology”

Professor Chih-Hung (Alex) Chang (changch@che.orst.edu)

Associate Professor, Department of Chemical Engineering, Oregon State University

奧勒岡州立大學化學工程系 張至弘 教授



“State-of-the-art in surface mechanical properties characterization methods”

Dr. Bo Zhou (Bo.Zhou@csm-instruments.com)

Technical Sales Engineer, CSM Instruments, Inc.

瑞士CSM儀器公司 周波 博士

8/15 (Sun) 3:40 pm – 5:00 pm : Technical Session D2-W4-T4: New Media and Entertainment Technology

Chair: **Dr. Scott Chun-Yang Chen**, Facebook, Inc. (Facebook 陳俊仰 博士)

Room: S360



“Data infrastructure at Facebook”

Dr. Scott Chun-Yang Chen (cy.scott.chen@gmail.com)

Software engineer, Facebook, Inc.

Facebook 公司軟體工程師 陳俊仰 博士



“Mine your business! – Value and utilization of implicit social networks”

Dr. Ching-Yung Lin (chingyun@us.ibm.com)

Project Lead, Event and Streaming Systems Department, IBM Thomas J. Watson Research Center

國際商業機器公司華生研究中心 林清詠 博士



“Technical challenges and solutions in web-based video conferencing systems”

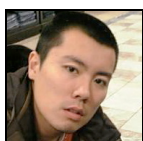
Dr. Chuo-Ling Chang (chuoling@tokbox.com)

Senior Audio/Video Scientist, TokBox, Inc.

TokBox 資深影音科學家 張俚領 博士

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The EITC program committee would like to thank the following members of the Stanford Taiwanese Student Association for their leadership, organization, and support of this event.



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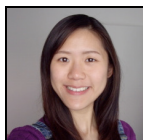


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