

Conference Schedule

24-Sep-09		
Conference Room (Shine 新華廳)	Corridor	Exhibition Room (Orchid 蘭華廳 & City 城華廳)
	Registration 08:30-17:30	(Installations)
Opening Ceremony 09:00-9:20		
Keynote Speech I Prof. D. Stork 09:20-10:30 Session Chair: Prof. Shyh-Kang Jeng		
	Tea Break 10:30-10:50	
Oral Session I Interactive Arts 10:50-12:10 Session Chair: Prof. Chun-Fa Chang		
Lunch Break 12:10-13:30		
	Poster Session I 13:30-14:30	Interactive Arts Exhibition 13:30-18:00
Oral Session II New Media Technologies 14:30-15:50 Session Chair: Prof. Partha Bhowmick		
	Tea Break 15:50-16:10	
Keynote Speech II Prof. T. Igarashi 16:10-17:20 Session Chair: Prof. I-Chen Lin		
Banquet 18:00-20:00 (Moon 月華廳)		

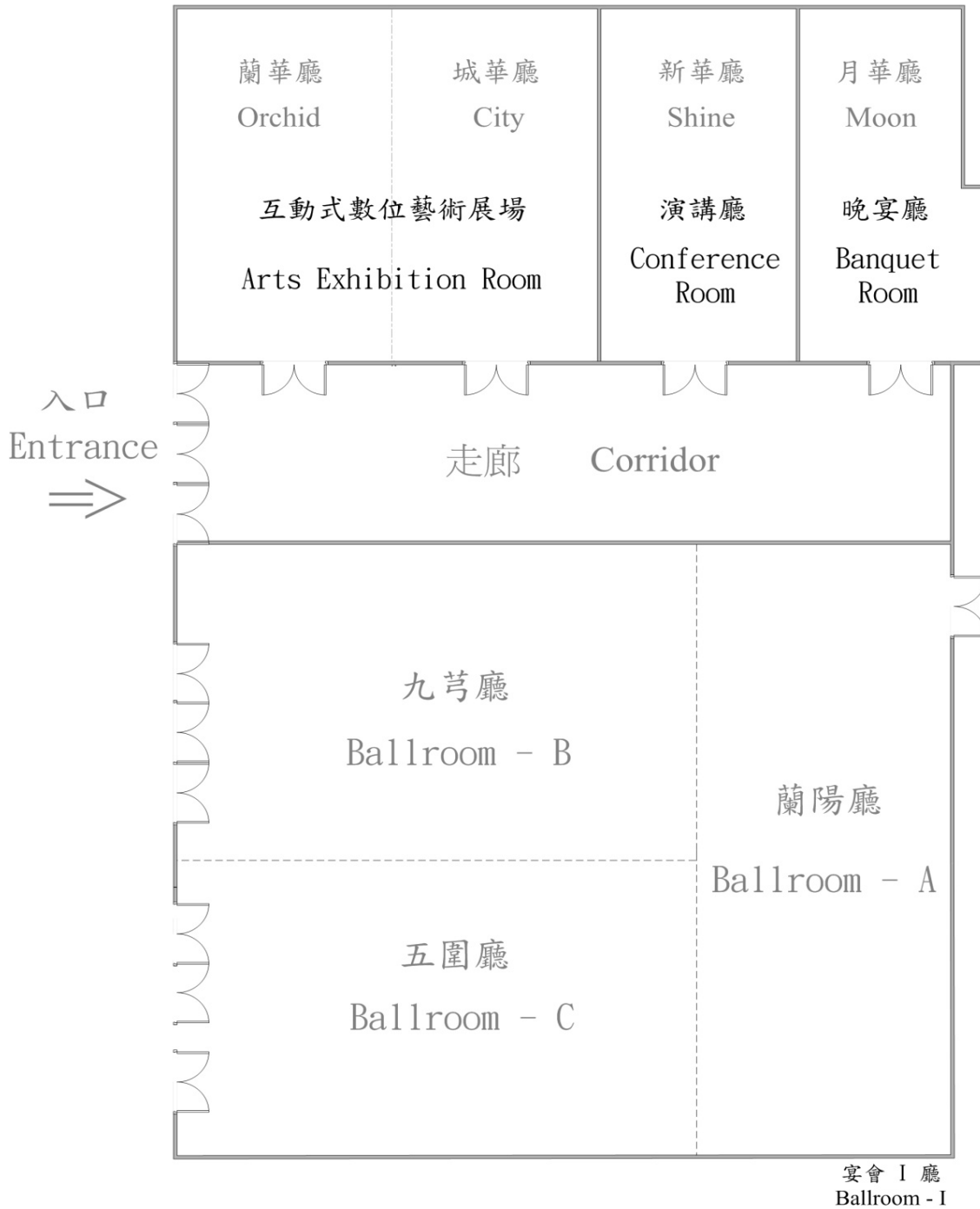
25-Sep-09		
Conference Room (Shine 新華廳)	Corridor	Exhibition Room (Orchid 蘭華廳 & City 城華廳)
	Registration 08:50-12:00	
Keynote Speech III Prof. R. Klette 09:20-10:30 Session Chair: Prof. Bing-Yu Chen		Interactive Arts Exhibition 9:00-12:00
	Tea Break 10:30-10:50	
Oral Session III Algorithmic Arts 10:50-12:10 Session Chair: Prof. Chia-Yen Chen		
Lunch Break 12:10-13:30		
	Poster Session II 13:30-14:30	
Oral Session IV Multimedia Arts & Animation Techniques 14:30-15:50 Session Chair: Mr. Chih-Wei Chen		
	Tea Break 15:50-16:10	
Closing 16:10-16:20		

Floor Plan

晶英酒店六樓宴會廳

Silks Place Ballroom on Six Floor

宴會 II 廳
Ballroom - II



Keynote Speeches

Keynote Speech I

Title	From digital imaging to computer image analysis of fine art
Speaker	Prof. David G. Stork ¹ Ricoh Innovations, USA ² Department of Statistics, Stanford University, USA
Date	24-Sep-2009
Time	09:20 – 10:30
Session Chair	Prof. Shyh-Kang Jeng EE, National Taiwan University, Taiwan

Keynote Speech II

Title	Interactive "smart" computers
Speaker	Prof. Takeo Igarashi The University of Tokyo, Japan
Date	24-Sep-2009
Time	16:10 – 17:20
Session Chair	Prof. I-Chen Lin CS, National Chiao Tung University, Taiwan

Keynote Speech III

Title	Panoramic and 3D Computer Vision
Speaker	Prof. Reinhard Klette The University of Auckland, New Zealand
Date	25-Sep-2009
Time	09:20 – 10:30
Session Chair	Prof. Bing-Yu Chen CSIE, National Taiwan University, Taiwan

Oral Sessions

Oral Session I

Interactive Arts

Date

24-Sep-2009

Time

10:50 – 12:10

Session Chair

Prof. Chun-Fa Chang

CSIE, National Taiwan Normal University, Taiwan

10 : 50 – 11 : 06

Meaningful Engagement:

Computer-Based Interactive Media Art in Public Space

Jiun-Jhy Her and Jim Hamlyn

11 : 06 – 11 : 22

Interactive WSN-Bar

Jiun-Shian Lin, Su-Chu Hsu, and Ying-Chung Chen

11 : 22 – 11 : 38

Immersive Painting

Stefan Soutschek, Florian Hoenig, Andreas Maier, Stefan Steidl, Michael,Stuermer, Hellmut Erzigkeit, Joachim Hornegger, and Johannes Kornhuber

11 : 38 – 11 : 54

Sonic Onyx: Case Study of an Interactive Artwork

Salah Uddin Ahmed, Letizia Jaccheri, and Samir M'kadmi

11 : 54 – 12 : 10

An Interactive Concert Program Based on Infrared Watermark and Audio Synthesis

Hsi-Chun Wang, Wen-Pin Hope Lee, and Feng-Ju Liang

Oral Session II	New Media Technologies
Date	24-Sep-2009
Time	14:30 – 15:50
Session Chair	Prof. Partha Bhowmick CSE, Indian Institute of Technology, India

14 : 30 – 14 : 46

Treasure Transformers:

Novel Interpretative Installations for the National Palace Museum

Chun-Ko Hsieh, I-Ling Liu, Quo-Ping Lin, Li-Wen Chan, Chuan-Heng Hsiao, and Yi-Ping Hung

14 : 46 – 15 : 02

JacksonBot - Design, Simulation and Optimal Control of an Action Painting Robot

Michael Raschke , Katja Mombaur , and Alexander Schubert

15 : 02 – 15 : 18

RF Sounding:

a System for Generating Sounds from Spectral Analysis

Fabio Graziosi, Claudia Rinaldi, and Francesco Tarquini

15 : 18 – 15 : 34

Depicting Time Evolving Flow with Illustrative Visualization Techniques

Wei-Hsien Hsu, Jianqiang Mei, Carlos D. Correa, and Kwan-Liu Ma

15 : 34 – 15 : 50

Augmenting a ballet dance show using the dancer's emotion: conducting joint research in Dance and Computer Science

Alexis Clay , Elric Delord, Nadine Couture, and Gaël Domenger

Oral Session III	Algorithmic Arts
Date	25-Sep-2009
Time	10:50 – 12:10
Session Chair	Prof. Chia-Yen Chen
	CSIE, National University of Kaohsiung, Taiwan

10 : 50 – 11 : 20 (Invited Paper)

Automatic Skin Color Beautification

Chih-Wei Chen, Da-Yuan Huang, and Chiou-Shann Fuh

11 : 20 – 11 : 36

Tracking small artists

James C. Russell, Reinhard Klette, and Chia-Yen Chen

11 : 36 – 11 : 54

RealSurf — a tool for the interactive visualization of mathematical models

Christian Stussak and Peter Schenzel

11 : 54 – 12 : 10

Creating Wheel-thrown Potteries in Digital Space

Gautam Kumar, Naveen Kumar Sharma, and Partha Bhowmick

Oral Session IV	Multimedia Arts & Animation Techniques
Date	25-Sep-09
Time	14:30 – 15:50
Session Chair	Mr. Chih-Wei Chen
	CSIE, National Taiwan University, Taiwan

14 : 30 – 14 : 46

Motion Generation for Glove Puppet Show with Procedural Animation

Chih-Chung Lin, Gee-Chin Hou, and Tsai-Yen Li

14 : 46 – 15 : 02

Can't See the Forest:

Using an Evolutionary Algorithm to Produce an Animated Artwork

Karen Trist, Vic Ciesielski, and Perry Barile

15 : 02 – 15 : 18

Automatic Generation of Caricatures with Multiple Expressions Using Transformative Approach

Wen-Hung Liao and Chien-An Lai

15 : 18 – 15 : 34

The Autonomous Duck:

Exploring the Possibilities of a Markov Chain Model in Animation

Javier Villegas

15 : 34 – 15 : 50

MixPlore: a Cocktail-based Media Performance using Tangible User Interfaces

Zune Lee, Sungkyun Chang, and Chang Young Lim

Poster Sessions

Poster Session I

Date 24-Sep-2009

Time 13:30 – 14:30

Butterfly Effect Fractal

Yin-Wei Chang and Fay Huang

Pattern Formation in Networks Inspired by Biological Development

Kei Ohnishi, Kaori Yoshida, and Mario Köppen

A Watercolor NPR System with Web-Mining 3D color Charts

Lieu-Hen Chen, Yi-Hsin Ho, Ting-Yu Liu, Wen-Chieh Hsieh

Gas & Shadow Swing

Chi-Hung Tsai, Mei-Yi Lai, Che-Wei Liu, Shiang-Yin Huang, Che-Yu Lin, and Jeng-Sheng Yeh

Artist-Oriented Real-time Skin Deformation Using Dynamic Patterns

Masaki Oshita and Kenji Suzuki

Interaction Analysis in Performing Arts:

A Case Study in Multimodal Choreography

Maria Christou and Annie Luciani

BWAIN: An Artistic Web Interpretation

Linda Huber, Michael Bißmann, Stefan Gottschalk, Alexander Keck, Andreas

Schönefeldt, Marko Seidenglanz, Norbert Sroke, and Alexander Radke

Poster Session II

Date 25-Sep-2009

Time 13:30 – 14:30

Low-level Image Processing for Lane Detection and Tracking

Ruyi Jiang, Mutsuhiro Terauchi, Reinhard Klette, Shigang Wang, and Tobi Vaudrey

Lane Detection on the iPhone

Feixiang Ren, Jinsheng Huang, Mutsuhiro Terauchi, Ruyi Jiang, and Reinhard Klette

**Traditional culture into Interactive Arts:
the Cases of Lion Dance in Temple Lecture**

Wen-Hui Lee, Chih-Tung Chen, Ming-Yu He, and Tao-i Hsu

Improving Optical Flow using Residual and Sobel Edge Images

Tobi Vaudrey, Andreas Wede, Chia-Yen Chen, and Reinhard Klette

3 Case Studies: A Hybrid Educational Strategy for ART/SCI Collaborations

Elif Ayiter, Selim Balcisoy, and Murat Germen

**A multimedia, augmented reality interactive system for the application of a
guided school tour**

Ko-Chun Lin, Sheng-Wen Huang, Sheng-Kai Chu, Ming-Wei Su, Chia-Yen Chen, and Chi-Fa Chen

**Reconstruction of Cultural Artifact using Structured Lighting with Densified
Stereo Correspondence**

Hsiang-Jen Chien, Chia-Yen Chen, and Chi-Fa Chen