

Yanchep 2003 CSSE Research Conference

Monday 9th June

Registration

9.00am - 9.20am The Studio Room

CSSE Conference Welcome & Opening

9.20am - 9.30am The Studio Room

Session 1 Keynote Talk

9.30am - 10.30am The Studio Room

Chair: Rachel Cardell-Oliver

Professor Richard Hartley

Australian National University & The University of Western Australia

Morning Tea

10.30am - 11.00am Zodiacs

Session 2: Vision

11.00am - 12.15pm The Studio Room

Chair: Peter Kovesi

Recognising Moving Hand Shapes

Eun-Jung Holden and Robyn Owens

Shape from Texture Using Local Spectral Inertia

Angeline M. Loh and Peter Kovesi

Three-Light-Source Photometric Image Reconstruction

Steven T. Purcell

Lunch

12.15pm - 2.00pm Lindsay's Restaurant

Session 3: Graphics

2.00pm - 3.40pm The Studio Room

Chair: Karen Haines

Geometry and Fragment Culling Techniques for Rendering Arbitrary Portals

Nick Lowe and Amitava Datta

New Techniques for Accelerated View-Dependent Mesh Refinement

James Strauss and Amitava Datta

DatMVis: A Proposed Model for a Multidimensional Visualisation Tool

Kesaraporn Techapichetvanich

Real-time Facial Expressions in the Auslan Tuition System

Jason C. Wong, Eun-Jung Holden, Nick Lowe, and Robyn Owens

Afternoon Tea

3.40pm - 4.00pm Zodiacs

Session 4: Research Challenges in Computer Networks

4.00pm - 5.00pm The Studio Room

Chair: Chris McDonald

Panel: *Asad Amir Pirzada, Amer Filipovic, Adam Harvie, Wai Heng Tong, Robert Caswell, Greg Mildenhall*

Break for Walks, Soccer etc.

5.00pm

Conference Dinner

7.30pm Lindsay's Restaurant

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Tuesday 10th June

Session 5: Research Challenges in Complex & Adaptive Systems

9.00am - 10.00am **The Studio Room**

Chair: George Milne

Panel: *Shih Ching Fu, Adam Dunn, Daniel Wedge, Francis Barber, Mark Goninon, Khurram Zeeshan*

Morning Tea

10.00am - 10.30am **Zodiacs**

Session 6: Adaptive Systems

10.30am - 12.10pm **The Studio Room**

Chair: Cara MacNish

A Case-based Reasoner for Dialogue Act Tagging

T. Daniel Midgley

Applying Evolutionary Algorithms to Problems with Noisy Time-consuming Fitness Functions

Anthony Di Pietro, Lyndon While, Luigi Barone

Reconstructing DNA Sequences using Oligonucleotide Data from Sequencing by Hybridisation Experiments

J. Dylan Spalding

P3: A Segregation-based Pedigree Analysis Tool

Courtenay Greig

Lunch

12.15pm - 2.00pm **Lindsay's Restaurant**

Session 7: Research Challenges in Vision & Visualisation

2.00pm - 3.00pm **The Studio Room**

Chair: Mohammed Bennamoun

Panel: *Anthony Prior, Jonathan Knispel, Navid Mavaddat, Minh Tran, TzuYen Wong, Ajmal Saeed Mian*

Afternoon Tea

3.00pm - 3.30pm **Zodiacs**

Session 8: Modelling Complex Systems

3.30pm - 4.45pm **The Studio Room**

Chair: George Milne

Programming Runtime Reconfigurable Computers using Tiles

Gareth Lee and George Milne

Component Based Process Modelling with CIRCAL

Joel Kelso and George Milne

Exploiting FPGA Concurrency to Enhance JVM Performance

James Parnis

Close

4.45pm