

STUDENT ACHIEVEMENTS

Students on courses associated with MATAR have achieved international success over the past year.

Iris Sprow won the Selwyn Award from the Royal Photographic Society which she was awarded on the 19th November 2009. This award recognises success in science based research connected with imaging and relates to her MSc project 'Psychophysical Methods in a Web-Based Environment' project.

In October two students from BA Conservation at Camberwell travelled to Vantaa in Finland to give presentations on their dissertation projects at the 2nd International Students Conference on Objects Conservation. In May 2009 Emily Brennan won the Worshipful Company of Stationers and Newspaper Makers Prize for achievements during her final year of studies.

On 24th April 2009 Eva Loeffler, pictured above, won the



Benno-Bolza Prize in Germany. Once a year, the board of trustees awards the prize for excellent student papers dealing with applications in printing press manufacturing and printing technology (print media).

In March, Kristyn Fulkenstern won The Océ Prize for the best student presentation at the ICC Digital Print Day in Paris, for her presentation 'Elements for a Spectral CMS Framework'. She also presented this work at the Colour Imaging Conference in Albuquerque, New Mexico in November.

In September, Kiran Deshpande presented a paper on the gamut of n-colour processes, based on recent work on his PhD, at the AIC Conference in Sydney. This paper was funded by a Knowledge Transfer Partnership between LCC and Esko Artwork.

EVENTS

During the 2009/2010 MATAR has organised an open lecture series, Communicating Colour, comprising of six lectures from a range of speakers. The first two of these have successfully engaged students and staff from across the college. This lecture series will provide an in-depth look at colour for creative practitioners from a scientific and research-oriented perspective. The next session will be on Colour Perception with Dr Michael Pointer, UAL Visiting Professor on 10th February 2010.

On 28th December 2009 Professor Joyce Townsend will be giving a lecture at Camberwell College of Arts entitled 'Rothko's Seagram murals in detail'. Joyce will discuss a research project carried out at Tate into the materials of Mark Rothko's Seagram murals of 1958-59, Joyce will discuss a research project carried out at Tate into the materials of Mark Rothko's Seagram murals of 1958-59.

The Institute of Physics Printing & Graphics Science Group Student Conference takes place on 1st December 2009. The conference will be held at the Institute of Physics in the Franklin Room and will start at 1:30pm. Several LCC students on courses associated with MATAR will be presenting.

CHANGES TO MATAR

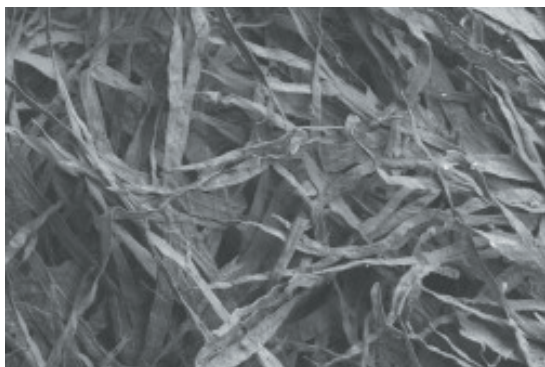
Dr Andrew Manning retired from his role as Director of MATAR and Reader in Printing Materials Science at LCC. Dr Manning led research in material science at UAL for many years, and in this time he supervised a large number of successful PhD projects, and undertook research in key areas of materials science that impact on art, design and communication. He was instrumental in opening new areas for research at LCC, including work on ultrasound, recycling, and rheology. Those who worked with Dr Manning will remember his unfailing enthusiasm for his research and his close personal support for colleagues.

Dr Phil Green is currently acting as Director of MATAR. Emily Brennan has joined us as Administrator and has played a major role in preparing for the Research Centre Review process. Emily is a Camberwell College of Arts Conservation graduate. MATAR has been without an Administrator for some time.

Several new members have joined MATAR, including external associates Dr Michael Pointer, Dr Alan Hodgson and Chris Woods, and UAL member Sal Anderson. We welcome these new members to MATAR and look forward to engaging in a wider range of activities in the future.

CALL FOR PAPERS: 4TH INTERNATIONAL CONFERENCE

Preservation and Conservation Issues in Digital Printing and Digital Photography



The event is aimed at an international audience of photographers, conservators, preservation personnel, conservation scientists and those working in the digital printing, ink and paper industries. It is organised jointly by the University of the Arts London (Material and the Arts Research Centre - MATAR) and the Printing and Graphics Science Group of the Institute of Physics, in association with the Society for Imaging Science and Technology (IS&T).

Research areas explored in this conference will include current developments and future trends in digital printing and photographic technologies; developments in substrates and inks, including textiles, plastics, papers for both fine art printings and digital photography; and standards for fastness, permanence and the role of scanning and file formats.

Please follow the link below for further details or contact Miss Anna Fricker: a.fricker@lcc.arts.ac.uk

Tel: +44 (0)20 7514 6680

<http://www.matar.co.uk/event.php?id=366>

Abstract deadline: 30th November 2009

NEW PROJECTS

The MATAR project 'An investigation into the effects of solvent content on the image quality and stability of ink jet digital prints under varied storage conditions' was awarded an AHRC grant earlier this year. Work is underway on this project, with the first outputs planned for 2010.



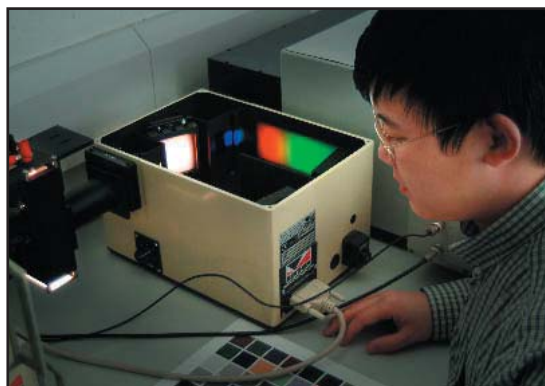
Image: Checkerboard print by a Canon MP620 printer on instant dry photo gloss inkjet paper

Jack Tchan has also had a collaborative proposal approved for 'IDEAS Factory: Shades of Grey' by EPSRC which is now

under way. The project is detailed further on the MATAR website.

Other ongoing MATAR projects include 'The Forensic Analysis of Print Using Digital Imaging' and 'The Raffia Research Project'.

NEW FACILITIES



The Bentham radiometer is a unique instrument, custom designed and built to provide a very powerful and flexible system for investigation of surface and body reflection, fluorescence and emission of light from sources and displays. It can perform both bi-spectral and bi-directional measurements over the range 200-800 nanometres.

RECENT PUBLICATIONS

Mark Sandy continues his work on the reaction of cellulose based materials to humidity and moisture, developments include 'Changes in the Tensile Properties of Paper in Response to Fluctuating Relative Humidity – Relevance to Paper Conservation' by Mark Sandy, Andrew Manning and Fabrice Bollet. This article was published in the International Circular of Graphic Education and Research, Issue No. 1, pp. 6-14 in the last year. The same authors also have another publication in press: 'Changes in the Crystallinity of Cellulose in Response to Changes in Relative Humidity and Acid Treatment'. This will be published in *Restaurator* in the coming months.

Phil Green has been active in CIE Technical Committee 8-10 on Office Illumination, and published two conference papers on recent progress in this area. This work was in collaboration with Yamagata University, Japan and the University of Pannonia, Hungary and was presented at a CIE conference in Budapest in May and the AIC congress in Sydney in September.

Eve Graves also travelled to Australia in September, to give a paper 'Conservation Nightmares and the Bittersweet Dreams of Memory' at the AICCM (Australian Institute Conservation) Annual Conference in Fremantle. This will be published in the forthcoming AICCM Journal.

Anna Fricker has published 'The Anomalous Effect of High-Intensity Ultrasound on Paper Fibre-Filler Combinations'. The article was published in *Pigment and Resin Technology*, Vol 38, No 4, pp 218-229 (2009).

Catherine Bailey, who is working towards a PhD at Camberwell College of Arts has a forthcoming publication, 'Root Map' which will appear in *Illustration*, Issue 21, in Autumn 2009.