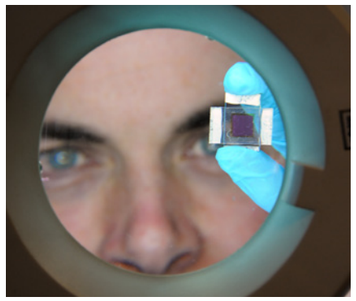
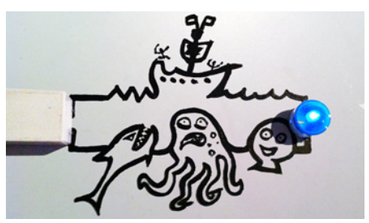
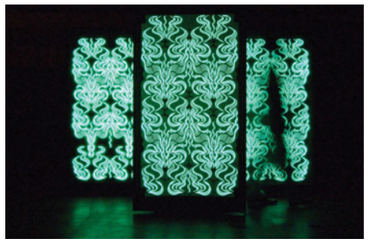
Luke Hart, a Pratt Institute (New York) graduate studying Sculpture at the RCA, has worked extensively with plastics and synthetic rubbers, and has recently been experimenting with the chemical bonding of synthetic rubbers to steel substrates to create a series of flexible joints. He sees great potential in using printed plastic electronics to further this work.
www.behance.net/lukehart



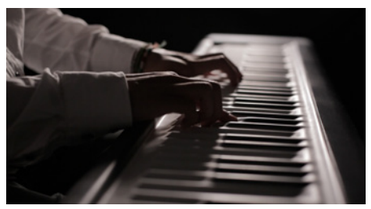
Dr Eifion Jewell is co-founder of the Welsh Centre for Printing and Coating (WCPC), and Senior Technology Transfer Fellow at Swansea University's Sustainable Product Engineering Centre for Innovative Functional Industrial Coatings (SPECIFIC). He specialises in developing patterned liquid coating technologies for energy harvesting and storage.
www.specific.eu.com



Matt Johnson is co-founder of Bare Conductive, a startup formed to pursue the potential of a nontoxic, electrically conductive ink developed while studying Industrial Design Engineering at the RCA. Bare Conductive is focused on the role that tangible electronics can play in education, interaction design and amongst a wider community of makers.
www.bareconductive.com



Richard Kirk is Chief Executive, Polyphotonix, and a pioneer of organic light. In his previous role as managing director of Eluminδ he championed the integration of printed electronics in architectural, automotive and product design. He is credited with many 'world's first' applications using electroluminescent lighting.
www.polyphotonix.com



Roland Lamb studied comparative philosophy at Harvard and is a graduate of Design Products at the RCA where he invented Seaboard - a radical reimagining of the traditional piano keyboard involving 3D pressure-sensing interfaces. These also have potential applications in remote surgery, prosthetic limb control and robotics, and Roland's interest in plastic electronics is focused on organic user interfaces.
www.sea-labs.com

Francesca Rosella is co-founder and designer at CuteCircuit in London, pioneers of wearable technology and the first fashion company to use LEDs in couture clothing. Working with Ryan Genz, her designs include the Galaxy Dress (now part of the permanent collection at the Museum of Science and Industry in Chicago), the M Dress and Hug Shirt, one of Time Magazine's best inventions of the year.
www.cutecircuit.com

Dr Jenny Tillotson is Senior Research Fellow at Central Saint Martins College of Art & Design (CSM) and Visiting Scholar in the Institute of Biotechnology at the University of Cambridge (UIC). She holds a PhD in Printed Textiles from the RCA, and founded spin-outs Sensory Design & Technology (CSM) and CERØMA (UIC), which adds scent as a 4th dimension to entertainment and communication devices.
www.arts.ac.uk/tfrg/node/10957

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WHAT IF THIS TEXT COULD CHANGE COLOUR OR LANGUAGE OR UPDATE OVER TIME...

RCA plastic electronics seminar
Wednesday 14 March 2012

Knowledge Transfer Network
Electronics, Sensors Photonics

Royal College of Art
Postgraduate Art and Design

innovationrca

PROGRAMME

10:00 Professor Tony Dunne RCA Design Interactions
Peter Batchelor ESP KTN

10:30 Richard Kirk & Ric Allott Polyphotonix

11:00 Mike Banach Plastic Logic
Dr Eifion Jewell SPECIFIC, Swansea University
Francesca Rosella CuteCircuit
Jenny Tillotson Central St Martins College of Art & Design

11:40 Break

11:50 Lauren Bowker Textiles innovator
Matt Johnson Bare Conductive
Alex du Preez & Hannes Harms RCA Innovation Design Engineering
Roland Lamb Sea Labs
Daisy Ginsberg Stanford University/University of Edinburgh
Luke Hart RCA Sculpture

12:50 Summing up

13:00 Afternoon Clinic

16:00 Closing remarks

16:30 End

RCA Plastic Electronics Seminar

A new era of electronics is happening; organic and other materials are being used to create electronic devices and circuits with shapes and forms that previously would not have been possible. Instead of traditional printed circuit boards, electronic circuits and chips can now be made by printing or embedding them on paper, plastic or even textiles - so they can be flexible, thinner, lighter, mass-produced, organically safe for disposal and cheaper. This opens the door to a future of incredible possibilities.

We hope this joint ESP KTN & RCA seminar will enable an exchange of knowledge and imaginative ideas, leading to exciting collaborations, projects and funding.

The Electronics, Sensors, Photonics Knowledge Transfer Network (ESP KTN) represents and provides access to industries, academia and entrepreneurs throughout the UK plastic electronics community.

The Royal College of Art is the only wholly postgraduate art and design college in the world and has a rich history of innovation, with many products now in everyday use starting as RCA graduate projects. InnovationRCA leads on interdisciplinary knowledge exchange at the RCA, catalysing meaningful collaborations between design innovators, scientists and technologists.

Ric Allott, Chief Technology Officer, Polyphotonix, has over 25 years R&D and commercial experience in photonics based technologies. Having been a successful artist in France, Richard has a thorough understanding of the creative process, and a unique view on the development of markets for organic light.
www.polyphotonix.com

Mike Banach is Senior Research Manager at Plastic Logic. He completed his PhD with Professor Henning Sirringhaus and Professor Sir Richard Friend from University of Cambridge in 2003. Plastic Logic's mission is to lead a revolution in the way people acquire, organize and consume information using plastic electronics.
www.plasticlogic.com/news/press-kit.php

Peter Batchelor is consultant to the Electronics, Sensors & Photonics Knowledge Transfer Network, and has worked in the photonics field for nearly 30 years. Until recently he was Head of Electronics & Photonics at the Department for Business, Innovation and Skills, where he led development of the UK strategy for Plastic Electronics. He now consults on photonics and organic/printed electronics technologies and business strategies as Managing Director of goldphoton.
https://connect.innovateuk.org/web/espktn

Lauren Bowker, textiles innovator and RCA graduate, is inspired by the notion of visualising the invisible, and uses dynamic chromic imaging and focused thermal beams to create constantly changing colours in clothing. She is increasingly intrigued by the cycle of life and how it can be controlled and revealed, and plans to break new ground in the area of healthcare, sports and wearable sensors.
www.artsthread.com/p/phnx

Alex Du Preez and Hannes Harms are MA students on the RCA's Innovation Design Engineering programme. Along with Peter Krige, they have been exploring applications for agile manufacturing techniques - including printable electronics - and how these might disrupt the way in which consumer electronics will be manufactured and updated in future.
http://bit.ly/y2voBX

Professor Tony Dunne is Head of the Design Interactions programme at the Royal College of Art. He is also a partner in the design practice Dunne & Raby and uses design as a medium to stimulate discussion and debate amongst designers, industry and the public about the social, cultural and ethical implications of existing and emerging technologies.
www.design-interactions.rca.ac.uk

Daisy Ginsberg, a Cambridge, Harvard and RCA Design Interactions graduate, is an artist, designer and writer - interrogating science, technology and new roles for design in a biotech future. She is Design Fellow on Synthetic Aesthetics, an NSF/EPSRC research project at Stanford University/University of Edinburgh and in 2011 received the World Technology Award (Design) for her E. chromi project.
www.daisyginsberg.com