

World Premiere DUET for EYES: Eyejamming & EyeBodyweaving

Spiritlevel measures up the new Science Gallery Dublin with the latest phase of InterFACES! This showing brings to fruition years of new research in interactive technology and creative expression, known under the banner of the InterFACES Project, whereby SMARTlab aims to put a human face on technology. **Spiritlevel** is the working title for the gatherings of kindred spirits (scholars, engineers, artists and medical experts) who come together through SMARTlab (based at the University of East London, UK) to invent new technology tools to improve the quality of independent life and creative expression of people with disabilities, and underserved communities worldwide.

In this world premiere of a DUET for EYES, James Brosnan & Katie Gilligan lead a team of artists and engineers in a real time music and dance jam using the pioneering MyTobii system: a special computer that is controlled simply by looking at the screen. It looks like an ordinary 'tablet' computer but it has a special camera built into it and low-level infra-red lights. These lights illuminate the pupil of the eye in such a way that the camera is able to respond to the eye movements of the person using the system. MyTobii are world leaders in gaze-controlled technology and have benefitted from collaboration with SMARTlab's Dr Mick Donegan in developing the system for use by people with severe disabilities.



The jam is led by **James Brosnan**, of the Centre for Independent Living & Research Fellow at SMARTlab using his eyes to control the live feed music in real time.

Colm O'Snodaigh & Eoin O'Brien (Kíla), and **Robbie Perry** (Dead can Dance) have written and scored new music with and for James, and have created a range of new musical instruments as well as assistive tech tools with the team for this purpose.



Where: The Science Gallery, Trinity College, Pearse Street, Dublin 2
T: +353 1 8964091

E: rsvp@sciencegallery.com to reserve your place.

Please specify which show you will be attending: 6pm or 8pm.

When: Wednesday 9 April, 2008

Timings: 2 showings- 6-7pm and 8-9pm

(doors open at 5 and 7 to allow time to interact with the software prior to each show).

+ A special SECOND LIFE INTERACTIVE dance jam will go live in Wheelies Nightclub (SL) from 6:30-7 and 8:30 -9 for those who wish to join from other parts of the world!

+ Come and join in KRITI Island <http://tinyurl.com/3agbnx>
Wheelies Nightclub <http://tinyurl.com/3dkmu7>

FREE (Places are limited so book early to avoid disappointment!)



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Bobby Byrne of Counterbalance Dance leads the movement, and has choreographed the piece.



Katie Gillian (CRC graduate and original **Spiritlevel** dancer) dances and jams with her eyes, controlling the Interactive Bodyweave software designed specially by Brazilian artists **Lali Krotoszynski** and mathematician **Jarbas de Moraes**, as part of their recent residency with SMARTlab UK (supported by The British Council and Arts Council).



Chrissie Poulter of Trinity College Drama Department has co-devised this show with the Spiritlevel team, starting with a showcase performance extract as part of the Project Brand New series at Project Arts staged in March.



MyTobii (Sweden) have donated the hardware for the show, whilst the 3D interactive soundscape was provided by Martyn Ware (Culture Club/Heaven 17) for Illustrious Company.

Dr Mick Donegan, Principal Investigator of the InterFACES Project, will introduce his bespoke Grid and interactive jamming software tools as part of the showing.

The show, like all SMARTlab's Spiritlevel showcase performances, has been conceived and directed by **Lizbeth Goodman**, with the team. She and Mick will invite post-show discussion and future collaborations using this amazing breakthrough in assistive technology for creative expression!



WITH THANKS TO

Roger Henriksson and Lisa Oosthuizen from Tobii Technology for the loan of the MyTobii Gaze Control systems, to The Samuel Beckett Theatre at Trinity College, Simon Stevens of Enable Enterprises and Linda Mandlebaum (Linden Labs), of the Wheelies Nightclub in Second Life, & to the SMARTlab/Spiritlevel Tech Team including: Rachel Armstrong, Toby Borland, Camille Baker, Brian Dillon, Colleen Dollard, Tom Donegan, Mark Gavin, Taey Kim, Damini Kumar, Rachel Lakesbikan, Stanislava Mislanova, Tamarin Norwood, Eion O'Brien, Dr Marc Price (BBC R&D), Jana Riedel, Vanessa Wiegand, Aejaz Zahid; & for assistance to Ms Gilligan and Mr Brosnan: Ajibola Adestimi, Hugh Brosnan, Kathryn Brosnan, Martin Brosnan, Tina Gilligan, Rachel Glennane, Sandy Ana Fuentes, Abraham Shodiya.

