



# EyeLight - Live Music & Dance Controlled by Infrared eyegaze cameras and driven by the Human Spirit

WHEN: 7pm, Saturday 7th February 2009

WHERE: Paccar Theatre, Science Gallery, Dublin

COST: FREE (pre-booking essential) go to: <http://www.sciencegallery.com/events>

Be amongst the first to witness what is set to be the next world-leading technology for creative inclusion: due to replace the Wii as a ubiquitous system for engagement by all!

EyeLight Music is a music and dance performance using groundbreaking eye-gaze technology to show the possibilities for movement vocabularies controlled by eyes. This performance is part of 'LIGHTWAVE: Defy The Darkness', an event running at the Science Gallery from 23rd Jan - 20th Feb '09, highlighting experimentation with illumination within the Art-Sci domain.

Five world-renowned musicians (Colm O'Snodaigh, Dee Armstrong and Martin Brunsten of Kila, Robbie Perry of Dead can Dance, and Juliet Turner) will perform live with James Brosnan and Katy Gilligan (two creative collaborators with severely limited physical movement due to cerebral palsy), who will take an equal part in this big music and dance jam. James and Katy will use their eyes to operate a musical system, using four infrared red light sources to enable the computer to interpret eye movement, as an interface to musical engagement.

Professor Lizbeth Goodman, Director of SMARTlab and Futurelab, and Bobby Byrne of Counterbalance Dance, will perform with James and Katy to show the possibilities for movement vocabularies controlled by eyes.

This forty minute show will include two original songs written with and for James and Katy, both of which will feature on the forthcoming album, Soshin, recorded by members of Kila (to be released in the Spring of 2009).



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EyeLight Music will begin with a brief lecture/introduction by Professor Goodman and Dr. Mick Donegan, co-PIs of the SMARTlab InterFACES research project, which aims to put a human face on technology for sustainable creative futures.

Sponsored by  
SMARTlab, Futurelab, Kila, BBC, MyTobii, SpecialEffect and Trinity College Dublin

## WORKSHOPS:

Audiences at the show will see how the MyTobii eye-gaze system enables musical and movement-based interaction for people with severe physical disabilities.

The installation will remain in the Science Gallery for the duration of LIGHTWAVE, with looping video streams of the performance for the exhibition month, and with a special hands-on and eyes-on workshop with the MyTobii for people interested in learning more about this groundbreaking, new light-based technology.

Workshop in March '09 - Register at the Science Gallery (two people per session).