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The Emotional Value of Light

Identity & Culture

introduction by **mjpintocoelho**

FCT | Nova Universidade Nova de Lisboa

The Emotional Value of Light

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mjpintocoelho

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Preface

“The Emotional Value of Light: Identity and Culture” is the first international event held in Portugal on the use of light as a design tool and esthetic element, and will be promoted by well recognized specialists.

The *Campus* of Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa (FCT-Nova) is well recognized in the world of entrepreneurship, education / research / technology transfer, increasingly becoming a center of convergence for the neighboring communities, who use its Library not only for provision of library resources but also by the strong cultural component offered.

In reality, the Library of FCT-Nova has established an active forum for debate and cultural interactions with the *Campus* and surrounding community and will be the host of the Light Design event (in collaboration with Maria João Pinto- Coelho, IALD).

The Exhibition Hall and the Auditorium are spaces that support a wide range of activities, including exhibitions and lectures on a wide range of topics: from Art events [painting, sculpture, installations, architecture) to Photography, Theatre and Films). Many active contributors visit this space [scientists, writers, architects, artists, politicians...]. The Library also established joint initiatives with other cultural operators (Municipality of Almada, Casa da Cerca, Centro Cultural de Belém, Casa das Histórias - Paula Rego - Cascais, AR.co, ESAD.cr) and a strong interaction with US Embassy (American Corners). The audience includes Students, Professors and Employees going beyond the *Campus*, attracting the external community.

The FCT-Nova is highly motivated in starting new and differentiated fields of studies at the Campus and is interested in using the outcomes of this meeting as guidelines for future teaching and research

developments. The Library has also been celebrating the International Year of Light (2015 -UNESCO) gathering experts discussing light in a wide range of topics and applications (see blog in www.biblioteca.fct.unl.pt).

Conditions were then reunited in order to invite a list of selected speakers from all around the world to contribute, explore and identify different points on the perception and understanding of the “rational” of the emotions in light design project decisions. We anticipate that this get together will attract different users in the field and also from related ones, including complementary disciplines. New avenues may be found for the use and the understanding of light in open contexts, amplifying its applications to art, architecture and design to related interests under development in colleges and departments. A sequential step will be to promote training programs in the field of light design.

We would like to express our appreciation to the coordinator of the event and our distinguished guest that made possible this event to happen in our *Campus*. ■

José J. G. Moura

Diretor Biblioteca

Fernando J. Santana

Diretor FCT-Nova

May 25th, 2016

Contributors

Florence Lam BA(Cantab.) MA(Cantab.) MSc CEng FIET FCIBSE FSLL

Florence is an Arup Fellow and Director of Ove Arup & Partners. She is based in London and leads Arup's global lighting design practice. She graduated in Engineering at the University of Cambridge before embarking on a postgraduate study in 'Light and Lighting' at the Bartlett School of Architecture when joining the firm in 1989. Her particular expertise in daylight, visual perception and holistic lighting approach play a key role in many of her projects, from museums to airports, bridges to city precincts all over the world.

Florence has a strong interest in visual light art as a lighting designer and has collaborated with a number of artists and architects on public realm projects including Anish Kapoor's ArcelorMittal Orbit in London and the World's Largest Timepiece along Bahnhofstrasse in Zurich.

Other projects of significance include the New Acropolis Museum in Athens, California Academy of Sciences in San Francisco, Nasher Sculpture Center in Dallas, Royal Ontario Museum in Toronto, Beijing Capital International Airport and Stonecutters Bridge in Hong Kong. Florence was also responsible for delivering a range of lighting projects for the London Olympic Games 2012.

Florence was named the Lighting Designer of the Year at the UK Lighting Design Awards in 2013. She is also the recipient of the Lighting Award from the Society of Light and Lighting in 2014.

Herbert Cybulska

Beleuchtungsmeister, Lighting Designer

After having studied Theatre, German and Politics at the Free University Berlin and being educated at a video studio Herbert Cybulska started his career working as a freelanced lighting designer, based in Frankfurt am Main, Germany.

In 1995, he graduated as a Master of Lighting Design at the professional School Darmstadt. Since then, he can boast diversified international experience having directed the lighting design for numerous projects at famous theatres and operas all over the world as well as creating lighting design for architectural projects and events.

Above all his co-operations with the German director and choreographer Helena Waldmann like the prize-winning plays "Letters for Tentland / Return to Sender", "Lucky Johnny" or "Vodka Konkav" gained worldwide acknowledgement.

Since 1995, Herbert gives diverse lectures and directs workshops e.g. for PLDA, DasArts Institute Amsterdam and several Universities.

In 2006 he joined L-Plan Lighting Design, Berlin, Germany as a partner. They realized lighting projects for architecture in Germany and world wide.

In 2011 he started his own company as Cybulska + Partners in Frankfurt / Main.

Herbert Cybulska was president of PLDA, the Professional Lighting Designers' Association 2012 - 2014. He is member of the science committee of LiTG (German scientific lighting association) and chairman of CLDA_IAC, the international advising committee of the Chinese Lighting Designers' Association.

James Wallace FIES(Aust & NZ), IALD, CLDA, ISA

James Wallace is a Partner and Design Director of LightPlan, a boutique professional lighting design practise located in Perth, Western Australia. He is an experienced, qualified and practicing lighting designer with an in-depth appreciation of the design process.

James' lighting design experience draws from a broad base of projects pertaining to both interior and exterior spaces. His current interests lie in the creation of meaningful lighting designs. The night-time activation of public spaces and building facade projects, urban nightscape planning, place-making and public art initiatives, the interpretation of heritage places, gallery and museum display spaces, all combine to fill his recent folio of work.

Besides his architectural and environmental lighting design work, James has recognised skills in the auditing and condition-reporting of OSH lighting-related issues in the workplace and the public domain; he calls this "vision ergonomics".

Having previously acquired an A-grade electrical trade qualification, James graduated in Lighting Design in 1979 from Regency Institute, Adelaide, South Australia. He is currently a Fellow of the Illuminating Engineering Society of Australia & New Zealand Ltd (IESANZ).

Establishing Perth's first independent architectural lighting design practise in 1994, James' awareness of lighting design issues has since become recognised at an international level.

James represented the PLDA at the Lighting Urban Community International (LUCI) 2006 general assembly meetings in Shanghai and 2009 in Korea. While in Shanghai he also participated in a City Foresight Workshop alongside Asia's leading urban planners, architects and lighting educators.

During 2011-2016 he has presented invited papers and led professional discussion groups in Perth, Philadelphia, Berlin, Frankfurt, Tokyo, Manila, Bangkok, Hong Kong, Beijing, Shanghai, Guangzhou, Zhengzhou, Chongqing, Shenzhen and Taipei.

Kevin Paul Mansfield BSc PhD MSLL

The Bartlett School of Energy, Environment and Resources, UCL

Kevin Mansfield has been involved in the teaching of light and lighting in the built environment for over 30 years.

His research interests are in lighting appearance and lighting quality metrics in the built environment. He has contributed to books on lighting design for schools, hospitals, museums and art galleries and daylighting design in architecture and has published papers in lighting appearance, lighting quality, architectural lighting and urban lighting.

He is also a member of the Editorial Board of the *International Journal for Lighting Research and Technology*.

Linnaea Tillett BA(UC London) MA(CUNY) PhD(CUNY)

Principal, Tillett Lighting Design Associates

Linnaea Tillett is principal of Tillett Lighting Design Associates, which she founded in 1983. A lighting designer with a doctorate in environmental psychology, she has extensive experience in public landscape. Combining design and social science, Dr. Tillett crafts highly nuanced lighting programs that delight,

improve sustainability, and engage issues of safety and security. Her innovative approach incorporates a thorough understanding of the perceptual, behavioral and psychological effects of light.

She collaborates with leading architects, landscape architects and artists, such as Maya Lin, Toshiko Mori, Michael Van Valkenburgh, Nelson Byrd Woltz, Gustafson Guthrie Nichol, OLIN, and the artist Kiki Smith.

MJPinto-Coelho BAA MSLL PhD IALD

Lighting Architect & Designer, International Lighting Adviser

A graduate from the Lisbon Faculty of Architecture in 1985, Maria João Pinto Coelho received a grant from the Calouste Gulbenkian Foundation in 1989 and completed a MSc in Light and Lighting at the Bartlett School of Architecture, University College, in London. Between 1992 and 1996, with a grant from The National Foundation for Scientific and Technological Research, she carried out research into urban and environmental lighting, obtaining her PhD with a thesis entitled "The importance of lighting on the image of the city: axial options and urban configuration."

She founded *lightmotif. arquitetura*, the very first company of its kind to specialise in this field in Portugal, creating opportunities for research and development in lighting design. She has been involved in a number of pivotal projects, including the lighting of monuments and sites classified as World Heritage by UNESCO.

She has been invited to deliver numerous international lighting seminars and workshops all over Europe and in UK, Japan, Singapore, Mexico, Chile, Brazil and Australia and her projects have been published in the leading lighting design magazines and lighting catalogues.

Vitor Palacio IALD

Victor Palacio is an independent architectural lighting designer, founder and Principal of "ideas en luz"; he is the 2016-17 President of IALD – International Association of Lighting Designers.

His experience in lighting projects spans for more than 20 years in projects including National Museums like; Museum of Anthropology, Museum of History, Santo Domingo Ex-Monastery and currently the museums Franz Mayer, Frida Kahlo and Dolores Olmedo, all of them under renovation process; as well as in public spaces like Plaza de la Concordia, Plaza de la República and the renovation of the National Film Center – Cineteca. His experience also encompasses many historic and artistic buildings, like the Palacio de Bellas Artes and, in other fields of architecture, high end residences on the Pacific Coast, hotels, malls and department stores.

He has been teaching in several lighting courses for museum exhibition design, as well as for architectural lighting design like the course Dilux in the Universidad Iberoamericana.

Frequent speaker at IES seminars, Lightfair, PLDC, Enlighten Americas and the Encuentro – EILD. His design philosophy aims in collaboration with the design team to develop unique luminous ambiances in the benefit of people.