

Program 5. mezinárodní konference Solaris 2011

Pátá mezinárodní konference o solárním záření a denním osvětlení Solaris 2011 se koná na Fakultě stavební VUT v Brně ve dnech **10. a 11. srpna 2011**.

Konference se koná pod záštitou děkana Fakulty stavební Vysokého učení technického v Brně prof. Ing. Rostislava Drochytky, CSc.

Pořádání konferencí Solaris má více než osmiletou tradici:

Solaris 2003 – Edinburgh, Velká Británie, Solaris 2005 – Atény, Řecko, Solaris 2007 – Dillí, Indie, Solaris 2008 – Hongkong, Čína

Hlavní tematické okruhy konference jsou: solární záření a denní osvětlení – měření, modelování hodnocení, zraková a tepel-

ná pohoda v budovách, energie ze slunce a úspory energie.

Program 10. 8. 2011

08:30 až 9:00 registrace
09:00 až 9:15 zahájení konference
09:15 až 9:30 z historie pořádání konferencí Solaris
09:30 až 10:30 vyzvané přednášky
11:00 až 12:30 přednášky a výstava
13:30 až 15:00 přednášky a posterová sekce
15:30 až 17:00 přednášky a diskuse
18:30 až 20:30 společenský večer

Program 11. 8. 2011

8:30 až 10:30 přednášky
11:00 až 12:30 přednášky a posterová sekce
13:30 až 15:00 přednášky a diskuse

15:30 až 17:00 přednášky a závěrečná diskuse

17:00 ukončení konference

Doprovodné akce: výstava Inspirujte se! (Be Inspired!), zapůjčená British Council Czech Republic a film Going Green, který poskytla British Embassy Prague, výstava prací doktorandů FAST VUT v rámci posterové sekce konference.

Organizační garanti konference:

prof. Tariq Muneer, Edinburgh Napier University, UK
doc. Jitka Mohelníková, Vysoké učení technické v Brně, ČR

Bližší informace na:

www.fce.vutbr.cz/pst/solaris

Referáty		
Autor	Institute	Název příspěvku
Alfami, G.	University of Florence, Italy	Daylight distribution and thermo-physical evaluation of new facade components through a test cell for the overheating control in Mediterranean Climate
Bosch, J. L., Batlles, F. J., López, G.	CIESOL, Universidad de Almería, Universidad de Huelva, Huelva, Spain	Mapping Solar Radiation Over Complex Topography Areas Using Artificial Neural Networks And Meteosat Images
Budiaková, M.	Slovak University of Technology, Slovakia	Solar systems of passive office building
Bukolská, K.	VELUX, CR	Daylight – essential part of the Active Houses energy concept
Celik, A. N.	Abant İzzet Baysal University, Faculty of Engineering and Architecture, Bolu, Turkey	Analysis of solar radiation data measured at the southern region of Turkey and conversion from horizontal to a sloped surface
Chwieduk, D.	Warsaw University of Technology, Poland, ISES Europe	Availability of solar energy on a building envelope
Darula, S. et al.	Slovak Academy of Sciences	Light transmission due to the tubular light guide indoor cover
Dudová, J., Doležalová, H.	Masaryk University, CR	Requirements for Lighting in Legal Regulations
Jadraque Gago, E., Ordóñez García, J., Espín Estrella, A. et al.	Universidad de Granada, Spain	Solar PV roof systems at housing sector in Andalusia
McGilligan, C., Natarajan, S., Nikolopoulou, M.	The University of Bath, The University of Kent, UK	Comparing energy savings from adaptive comfort standards in future UK climates using a new metric: the Adaptive Comfort Degree-Day
Garnier, C.	Edinburgh Napier University, UK	Solar thermal collector module for houses and flats.
Geletka, V., Sedláková, A.	Technical University Košice, Slovakia	Impact of g-value of glazing on energy consumption of buildings
Grassie, T.	Edinburgh Napier University, UK	Optimum design of a PV driven transpired plate solar air heater for drying woodchip in Scotland
He, J. Z., Ng, E.	The Chinese University of Hong Kong, China	Using satellite data to predict sky types and zenith luminance in Hong Kong
Hraška, J.	Slovak Technical University, Slovakia	Criteria of daylighting and sunlight access in sustainable construction evaluation systems
Ivanova, S.	University for Architecture, Civil Engineering and Geodesy in Sofia, Bulgaria	Estimation of solar radiation for complex architectural layouts
Kalousek, M.	Brno University of Technology, CR	Solar house and passive cooling
Kambeizidis, H. D. et al.	National Observatory of Athens, Athens, Greece	The solar dimming effect over the Mediterranean region
Khalid, A., Anjum, S.	NED University of Engineering and Technology, Karachi, Pakistan	Photovoltaic Based Electricity Production Potential Assessment of a Pakistani City
Kaňka, J.	Czech Technical University, Prague	Czech Technical Standard ČSN 7305 81 Insolation of Buildings and Outdoor Spaces – Method for Determining Values
Kocifaj, M.	Slovak Academy of Sciences, SR	Blurring the differences between neighbouring sky types due to multiple scattering of light
Kocifaj, M., Darula, S., Kittler, R.	Slovak Academy of Sciences, SR	Transmission properties of light pipes for diffuse light and direct sunbeams
Köster, H.	KÖSTER Lichtplanung, Frankfurt am Main, Germany	Dynamic Daylighting Architecture
Kómar, L., Darula, S., Rusnák, A.	Slovak Academy of Sciences, SR	Contribution to the spectral measurements of daylight
Kudish, A. Evseev, E. G.	Solar Energy Laboratory, Ben-Gurion University of the Negev, Israel	The beam and diffuse fractions of solar UVB radiation and its implication regarding outdoor sun protection
Kunc, J.	ABB s.r.o., APWA/Elektro-Praga, Czech Republic	Energy savings according to standard EN 15232:2007
Li, D. H. W., Lam, T. N. T., Cheung, K. L.	The City University of Hong Kong, China	Average daylight factor under various skies and external environments
Li, D. H. W., Lam, T. N. T., Cheung, K. L.	The City University of Hong Kong, China	Determination of indoor daylight illuminance from vertical component
Mayhoub, M., Carter, D. J.	The University of Liverpool, UK	Satellite data-based methods to predict global luminous efficacy
Mayhoub, M., Carter, D. J.	The University of Liverpool, UK	A model to estimate diffused luminous efficacy based on satellite
McGilligan, C. et al.	The University of Bath, University of Kent, UK	Comparison of energy savings achievable by Adaptive Comfort standards using the Adaptive Comfort Degree-Day
Minea, A.	Technical University Gh. Asachi, Romania	CFD Techniques for Outlining Convection and Radiation in a Closed Domain
Muneer, T., Tham, Y. W.	Edinburgh Napier University, UK	Sol-air temperature projections for the UK building industries
Ostrý, M. et al.	Brno University of Technology, CR	Solar systems with integrated latent heat storage systems
Pich, et al.	Czech Lighting Society, CR	Colour and daylight
Pišek, D.	Hydro Building Systems GmbH Germany	Computer model of natural ventilation through double turn outward parallel window
Pop, F. et al.	Technical University of Cluj-Napoca, Romania	Passive tubular daylight guidance and photovoltaic systems, energy saving potential in residential buildings in Romania
Sokanský, K. et al.	Czech Lighting Society, Technical University Ostrava, CR	Payback and investment costs of photovoltaic power plants
Šikula, O., Plášek, J., Měrka, V.	Brno University of Technology, CR	Simulation of the influence of shielding surrounding to use solar energy for air conditioning
Šikula, O. et al.	Brno University of Technology, CR	Thermal evaluation of tubular light guides
Škramlík, J., Novotný, M.	Brno University of Technology, CR	Distribution of moisture in building construction
Zahiri, S., Altan, H.	The University of Sheffield, UK	Optimizing Daylight Distribution in School Buildings in Iran