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ARZU CILASUN arzu.cilasun@yasar.edu.tr

Education

Doctor of Philosophy

Izmir Institute of Technology, İzmir, 2012-...

- Effectiveness of Occupancy Based Lighting Controls in The Prediction of Lighting Energy Saving in Daylight Oriented Work Spaces
Assoc. Prof. Dr. T. KAZANASMAZ
- Sustainability, Lighting, Manual Control
GPA: 3.86

Master of Science

Yildiz Technical University, İstanbul, 2008-2011

- Examination and Evaluation of Lighting Energy Evaluating Programs,
Prof. Dr. L.D. ÖZTÜRK
- Lighting, Sustainable Design, Acoustics, Thermal Comfort
- GPA: 3.77

Bachelor of Architecture

Yildiz Technical University, İstanbul, 2003-2008

- GPA: 2.97

Research Interests / Research Profile

My research interest is lighting in general. In my masters degree study, I worked especially on daylight, lighting simulation & evaluation programs, energy standards and energy consumption due to lighting. During my research I've noticed that manual control is widely regarded as one of the most significant sources of uncertainty in the prediction of building energy consumption. There is a high tendency to neglect users' role on energy savings, even standards stumble on assessing manual control, though it has a significant role in energy consumption. Therefore now I'm more focused on studying effectiveness of manual control in energy saving and the architectural parameters effecting manual control.

Publications and Presentations

Peer Reviewed Publications

- Cilasun A., Kazanasmaz, T., (2014) “Binalara İlişkin Aydınlatma Enerji Tüketimi Öngörülerinde Etkin Bir Değer: Kullanıcı Kontrolü”, 1.Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, Turkey.
- Cilasun A., Anbarcı M., (2013) “Evaluation of Energy Performance on Lighting by Using Dialux and Bep-Tr”, 39th IAHS World Congress, Milano, Italy, September
- Cilasun A., (2012) “Aydınlatma Düzeni Seçiminde ecoCALC Programının Kullanımı”, Sürdürülebilir Yapı Tasarımı Kongresi, Turkey, November
- Cilasun, A., (2012) “Virtual Museum And Review Of Virtual Museums In Turkey”, 5T A New Affair: Design History and Digital Design Museum”, Turkey, May
- Cilasun, A., (2012) “Anaylsis of Energy Evaluation on Lighting Programs”, XVIII IAHS World Congress, Turkey, April
- Cilasun, A., Öztürk, L.D., (2011) “Aydınlatma Programlarının Enerji Değerlendirme Özelliklerinin Karşılaştırması” , Çevre-Tasarım Kongresi, İstanbul, 8-9 December
- Cilasun, A., Öztürk, L.D., (2011) “ Aydınlatma Tasarım Sürecinde VIVALDI ve ECOCALC Programlarının Kullanımı”, 8. Ulusal Aydınlatma Kongresi, İstanbul, April.

Posters

- Cilasun, A., (2011) “İzmir- Drağsan Ekenkol Evi”, Mimarlığında Modernizmin Yerel Açılımları VII, DOCOMOMO Türkiye Ulusal Çalışma Grubu Poster/Bildiri Sunuşları, Mersin Üniversitesi, Mimarlık Fakültesi, Mimarlık Bölümü, Mersin, 16-18 Aralık.

Research Experience

Lighting Design (LIDE) Participant,

National Technical University of Athens, Athens, Greece, 2013

Intensive Erasmus programme focused on:

- i. Light & technology
- ii. Light art & culture and
- iii. Urban master lighting planning.

Research Assistant, Architecture Department, Yaşar University, İzmir, 2011-...

Teaching Experience

Lecturer:

- INAR 350 Lighting and Acoustics, Department of Interior Architecture and Environmental Design, Yaşar University, İzmir, Fall 2013-2014

This course introduces to the basic principles of lighting and acoustical design including criteria, calculations and planning.

Teaching Assistant:

- ARCH 210-220 Architectural Project I & II, Department of Architecture Yaşar University, İzmir, 2011-2013
Architectural Project course for 2nd grade architecture students on various topics such as housing, research and technology center, restaurant and hotel
- ARCH 410-420 Architectural Project I & II, Department of Architecture Yaşar University, İzmir, 2012-...
Architectural Project course for 4th grade architecture students on various topics such as port, urban renewal, transportation center, mix-usage buildings
- ARCH 111-112 Graphical Communication I & II, Department of Architecture Yaşar University, İzmir, 2012-...
This course adopts students to basic architectural drawing techniques, handcraft and three dimensional approach ability.

Market Experience

- Worked as a lighting designer in Kroma Lighting in İstanbul (2009-2011)

Teaching Expertise

- *Daylight*
- *Artificial Lighting*
- *Control Systems*
- *Lighting Softwares*
- *Sustainable Design*
- *Architectural Design*
- *Technical Drawing*

Community Involvement / Administrative Activity

- *Social Responsibility Project Coordinator (2011-2013)*
- *Summer Practice Controller (2013-...)*
- *Organizing Committee of 5T International Conference (2012-...)*

References

Prof. Dr. Sevil Sarıyıldız, Dean of Yaşar University

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Assoc. Prof. Dr. Tuğçe Kazanasmaz, İzmir Institute of Technology

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Prof. Dr. Leyla Dokuzer Öztürk, Yıldız Technical University

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