Fakültemizin 10. Yıl etkinlikleri kapsamında İç Mimarlık ve Çevre Tasarımı Bölümümüz tarafından düzenlenen etkinlikte Dr. Konca Şaher 13 Aralık Cuma günü 16:00-17:00 saatleri arasında Galata Salonunda “Can We Hear the Architecture?” başlıklı İngilizce bir seminer verecektir.

Akustik alanındaki doktorasını Delft Üniversitesi’nde tamamlayan Dr. Şaher, profesyonel olarak Atkins şirketinde geçtiğimiz 5 sene boyunca aralarında Londra Olimpiyat Projeleri de olmak üzere önemli projelere Akustik danışmanlık yaptı. Aşağıda konuşmacının detaylı biyografisi ve seminerin özetini bulabileceğiniz etkinliğe katılmımızı bekleriz.

Sanat ve Tasarım Fakültesi

Etkinliğin dili İngilizce'dir.
Seminar: “CAN WE HEAR THE ARCHITECTURE?”
by Konca Şaher, PhD
Kadir Has University- Cibali Campus -Galata Hall ,
13.12.2013 -16:00 pm

This seminar focuses on the design of aural architecture. The design of aural architecture entails not just an understanding of the engineering and physics of sound, but also an insight into the broader phenomenon of auditory and spatial awareness, i.e. the question of perception of sound. The focus then is not just on a mathematical quantification of sound and design but on the experience of space by ‘listening’ to it. The key question in design process is how a listener experiences space and how he is affected by it.

Moving across virtual acoustical modelling which is a process where the behaviour of sound in a room is simulated to represent the way it would sound in a real space, “auralization” gives us the opportunity to simulate the acoustical experience at a specific position in the room. It is also a very powerful tool to evaluate the quality of the acoustical environment in a space before it is actually built, and it provides a means to detect acoustical defects of a space. Various aural examples are presented from various types of buildings such as schools, office buildings, hospitals, airports to performing art centres. The presentation also focuses on aural architecture design in London 2012 Olympic & Paralympic Games Temporary Venues.

About Dr. Konca Şaher:
Konca Şaher received her Bachelor degree in Architecture in 1998 and Master of Science degree in Building Science in 2001 from Middle East Technical University, Ankara. She earned her PhD degree in 2013 at the chair of Building Physics of Faculty of Architecture at Delft University of Technology, the Netherlands. Her research and experimental work included acoustic surveys and measurements in institutions for intellectually disabled and room acoustic modelling. During her study as holder of Marie Curie Scholarship in “European Doctorate in Sound and Vibration Studies” she visited Acoustic Technology Department at Technical University of Denmark between 2005 and 2006, where she did room acoustic modelling, binaural recordings, auralizations and listening tests with normal hearing and hearing impaired.

Between 2007 and 2013, Konca worked as a principal acoustics consultant in London office at Atkins, one of the world’s leading design and engineering consultancy. She has been involved in prominent projects across the Globe including hospitality and leisure, airports, residential developments, large master planning schemes, health care facilities, schools, auditoria, train and metro stations, performing arts spaces, offices and retail. She has been the acoustic lead for London 2012 Olympic and Paralympic Games Temporary Venues. Her scope of work included environmental noise assessments and reports for planning applications, architectural and environmental acoustic assessments of London 2012. Konca worked collaboratively with architects, structural engineers, mechanical engineers and Local Authorities discussing and agreeing project objectives.

Her research interests include room and building acoustics, room acoustic modelling, auralizations, acoustic design for hearing impaired, public address system design, carbon critical acoustic design, noise management in mega-events, sustainable design and sustainable sourcing in design. Konca is also a licenced BREEAM International Assessor.