Workshop Presentation:

Case Studies of Integrated Sustainable Building Design

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Abstract: The success of the design and construction of sustainable green buildings will depend on the vision, commitment and contribution of all the stakeholders including the developer; design professionals – architects, engineers and other specialists, the builders and finally the end users of buildings. Lacking participation of anyone of them in the entire design, construction and operation stages will make the pathway to sustainability difficult, if not unachievable. Designers will go beyond their usual bounds and professions and understand other professionals’ real concern and design issues, aiming to develop an inter-disciplinary and integrated design product.

Two remarkable new buildings in China that have embraced such unique characteristics and engaged the design and construction processes in an integrated manner to a different extent are the Being Parkview Green project currently under construction and the newly operated Nokia Beijing Campus. Existing building also can contribute to sustainability in its unique but special way. The existing building, China Resources in Hong Kong, will refurbish its HQ building in a sustainable way by keeping its building structure while adopting an energy efficient facade envelope and an air conditioning system for the entire building.

The speaker will share about the integrated design approach of Beijing Parkview Green and Nokia Campus projects and the unique sustainable retrofitting approach of the China Resources Building in Hong Kong. In particular, the presentation will focus on how the sustainability agenda was addressed, and adopted at the outset, throughout the design stages and finally delivered at the construction stage on site. Details of sustainable features of the project will be highlighted.