

Stephen R. Lee, AIA, LEED AP

Professor, School of Architecture

Director, Master of Science in Sustainable Design Program

Research Faculty, Center for Building Performance & Diagnostics

Educational Background

:: Master of Architecture in Advanced Building Studies (1976) Carnegie Mellon

:: Bachelor of Architecture (1975) Carnegie Mellon

Professional Background

:: Professor, Department of Architecture, Carnegie Mellon University (CMU), Pittsburgh, PA

:: Visiting Associate Professor, University of Tokyo; Endowed Chair, Urban Environment Systems, RCAST (1993)

:: Co-Founder/ Principal Emeritus, TAI + LEE, Architects PC, Pittsburgh, PA

:: Senior Consultant, Romualdi, Davidson and Associates, Forensic Engineering, Monroeville, PA

Design, Research and Teaching Activities

Professor Lee's activities focus on issues of systems integration, material innovation and the integrated design process for high performance commercial and residential architecture. He is a LEED accredited professional and provides sustainable design consulting services for institutional and commercial clients in Europe, Canada and the United States. Innovative projects on which Professor Lee has been involved include the Robert L. Preger Intelligent Workplace, the Armstrong World Industries Susquehanna House, the Government of Canada Building Prince Edward Island, the PA Department of Environmental Protection South Central Office Building, Alcoa's Fjardaal Smelter in Reydarfjordur, Iceland, Phipps Conservatory, Pittsburgh and Carnegie Mellon's New House, Henderson House, the Collaborative Innovation Center and the Gates Center. His consulting work with the PA Department of Environmental Protection resulted in a new standard for healthy, flexible, adaptable and energy/ environmentally effective buildings in the Commonwealth. Professor Lee has developed and conducted professional enrichment curricula for the PA Departments of General Services and Environmental Protection and the federal General Services Administration.

Professor Lee is the faculty adviser for the CMU School of Architecture's Solar Decathlon teams (2002, 2005 & 2007) and his teaching activities have resulted in the integration of undergraduate courses related to design, environment, materials, structures and advanced construction. He is the director of the CMU Master of Science in Sustainable Design degree program

Committees

Professor Lee is the co-chair of the Carnegie Mellon Green Practices Committee and has been selected to the Pittsburgh Solar America Cities Committee by Mayor Ravenstahl. He was a member of the Committee on New Technology and Innovation in Building, of the Building Research Board, National Research Council (1990-91), the Advisory Committee of the Pittsburgh Green Building Alliance (1995-99) and he was the co-founder / director of the Pennsylvania Advanced Technology Housing Consortium (1989-91).

Selected Publications

:: Professor Lee was a contributing member of the Committee on New Technology and Innovation in Building. Dibner, David R. and Lemer, Andrew C., Editors, "The Role of Public Agencies in Fostering New Technology and Innovation in Building"; BRB, Commission on Engineering & Technical Systems; National Academy Press, Washington, D.C. 1992

:: Lee, Stephen; "Demonstrating Design for Flexibility in the Susquehanna House"; Continuous Customization in Housing, Open Building Tokyo 2000"; Tokyo, Japan; October 2000.

:: Lee, Stephen; "The Intelligent Workplace: A Building Performance Research Laboratory"; *Highly Effective Facilities: Processes and Performance*; AIA National Client Conference; Cincinnati, OH; March 1998.

:: Lee, Stephen; "The PHASE Integrated Construction System"; *The 14th International Conference on Passive and Low Energy Architecture (PLEA)*; Kushiro, Japan; January 1997.