



Housing and Building
National Research Center



Housing & Building National Research Center International Conference
Future Vision & Challenges for Urban Development
“Green Smart Sustainable Building between Present & Future”
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Ministry of Housing, Utilities
and Urban Communities



Mr. Michael J. Paul

ACI President

Lecture (2) Title: Urban Housing and Infrastructure – The Benefits of Sustainable, Resilient, and Robust Concrete Construction

Abstract :

Urban development increasingly provides opportunities for improvement of quality of life, economic advancement, and national progress – all under stress from the effects of climate change, population growth, and demographic trends. Technological advancements and forward thinking in urban planning, design, and construction augment such opportunities. Concrete – as a resilient, robust, and, thus, sustainable material and structural system – is uniquely positioned to foster environmental benefits and built-environment stewardship. Advances in sensor technology and artificial intelligence are propelling the concrete industry forward in many new ways.