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Engheta, Nader

Professor Engheta is recognized for his trailblazing contributions in engineering and physics of light-matter interaction in metamaterials. He has pioneered several transformative new fields in electromagnetic/optical sciences, including optical metatronics (circuits with light at the nanoscale); zero-parameter materials (e.g., near-zero-index media); and plasmonic cloaking. His work on metatronics has unified the fields of electronics and photonics with nanocircuit elements for photons and electrons. His work on epsilon-near-zero materials has introduced an entirely new paradigm for ...

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Frangopol, Dan

For the creation, development, and application of life-cycle engineering under uncertainty — a major contribution to the knowledge base with a significant impact on civil engineering design, teaching, and practice — and world leadership and service in promoting international cooperation in the fields of safety, risk, structural health monitoring, maintenance management optimization, and life-cycle performance and cost of structures and infrastructure systems to enhance the welfare of society.

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