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Descrizione fisica	1 online resource (xi, 161 pages) : illustrations
Disciplina	005.8
Soggetti	Computer networks - Security measures Data protection Extrasolar planets Metamaterials Natural disasters - Forecasting
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cybersecurity and privacy: introduction / David Brumley and Daniela Oliveira -- Security at different layers of abstractions: application, operating systems, and hardware / Bryan D. Payne -- Computer security and privacy: where human factors meet engineering / Franziska Roesner -- On the technical debt of medical device security / Kevin Fu -- Challenges of engineering cybersecurity: a government perspective / Tomas Vagoun -- Engineering the search for Earth-like exoplanets: introduction / Sara Seager and Mitchel Walker -- Engineering the James Webb space telescope / Amy Lo -- Starlight suppression: technologies for direct imaging of exoplanets / Dmitry Savransky -- Realizing large structures in space / Jeremy Banik -- Sensing controls for spaces-based planet finding / Jonathan T. Black -- Optical and mechanical metamaterials: introduction / Jennifer Dionne and Luke Sweatlock -- Materials by design: using architecture and nanomaterial size effects to attain unexplored properties / Julia Greer -- Mechanical metamaterials: design, fabrication, and performance / Christopher Spadaccini -- Metamaterial-based device engineering /

Andrea Alu -- Catching light rays: refractory plasmonics for energy conversion, data storage, and medical applications / Alexandra Boltasseva and Urcan Guler --Forecasting natural disasters: introduction / James Done and Amir AghaKouchak -- An integrated approach to assess and manage hurricane risk in a changing climate / Ning Lin -- Moving from risk assessment to risk reduction: an economic perspective on decision making in natural disasters / Jeffrey Czajkowski.

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