

1. Record Nr.	UNINA9910971033303321
Titolo	Fourth Annual Symposium on Frontiers of Engineering // National Academy of Engineering
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1999
ISBN	9786612081408 9781282081406 1282081403 9780309524803 0309524806 9780585017341 0585017344
Edizione	[1st ed.]
Descrizione fisica	1 online resource (158 p.)
Collana	Compass series
Disciplina	620/.0072073
Soggetti	Engineering - Research - United States Engineering - Technological innovations - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Reports on leading edge engineering from the 1998 NAE Symposium on Frontiers of Engineering"--Cover p. [1].
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Matter -- Preface -- Contents -- INTRODUCTION -- Artificial Proteins: Bridging the Gap Between Natural and Synthetic Macromolecular Materials -- Biomedical Imaging Using Optical Coherence Tomography -- Confocal Reflectance Microscopy: Diagnosis of Skin Cancer Without Biopsy? -- Trends in Computational Materials Science for Materials Design and Processing -- Design, Synthesis, Development, and Integration into Manufacturing of New Polymer Materials Architectures for Advanced Integrated Circuit Fabrication -- Novel Sheet Steel Developments -- Role of Simulation in the Design of Next-Generation Engines for Military Aircraft -- Role of Simulation in Understanding Surface Roughness in Formed Aluminum Parts -- Machine Performance Assessment Methodology and Advanced Service Technologies -- A Brief History of Robotics -- Algorithms in Robotics: The Motion Planning Perspective -- Mechanics, Control, and Applications of Biomimetic Robotic Locomotion -- Robotic Perception

for Autonomous Navigation of Mars Rovers -- Technology Innovation
and American Leadership -- Contributors -- Program -- Participants
-- Glossary.

2. Record Nr.	UNINA9911047668103321
Autore	Nakamatsu Kazumi
Titolo	Intelligent Theory and Application for Sustainable Society : Proceedings of 5th International Conference on Advanced Intelligent Technologies / / edited by Kazumi Nakamatsu, Margarita Favorskaya, Roumiana Kountcheva
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2026
ISBN	9789819673322 9789819673315
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (690 pages)
Collana	Smart Innovation, Systems and Technologies, , 2190-3026 ; ; 123
Disciplina	006.3
Soggetti	Computational intelligence Artificial intelligence Artificial intelligence - Data processing Computational Intelligence Artificial Intelligence Data Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Selection Model of Cross-Border E-Commerce Products Based on Big Data and XGBoost -- Research on Distributed Network Management System in Cloud Computing Environment -- Research and Implementation of a Lead Acid Battery Density Monitor -- Performance Optimization and Implementation of Load Balancing Technology under Cloud Computing Architecture -- Design of Safety Controller for Two-link Manipulator System under Hybrid Attack.
Sommario/riassunto	This book includes new research results of scholars from the Fifth International Conference on Advanced Intelligent Technologies (ICAIT 2024) organized by IRNet International Academic Communication Center and IIMT Bhubaneswar, held during November 22–24, 2024. The

book covers research work from active researchers who are working on collaboration of industry and various intelligent technologies such as intelligent technologies applicable/applied to manufacturing and distribution of industrial products, factory automation, business, etc. The topics included are all computational intelligence techniques applicable/applied to industry, intelligent techniques in data science applicable/applied to business and management, intelligent network systems applicable/applied to industrial production, intelligent technologies applicable to smart agriculture, and intelligent information systems for agriculture.
