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Nota di contenuto	""Digital Instrument Building and the Laptop Orchestra--Daniel Trueman""""Demystifying Music and Its Performance--Elaine Chew""; ""AUTONOMOUS AEROSPACE SYSTEMS""; ""Introduction--Michel Ingham and Jack Langelaan""; ""Intelligent Autonomy in Robotic Systems--Mark Campbell""; ""Challenges and Opportunities for Autonomous Systems in Space--Chad R. Frost""; ""Health Awareness in Systems of Multiple Autonomous Aerospace Vehicles--Stefan Bieniawski""; ""Certifiable Autonomous Flight Management for Unmanned Aircraft Systems--Ella M. Atkins""; ""ENGINEERING INSPIRED BY BIOLOGY"" ""Introduction--Mark Byrne and Babak Parviz""""The Current Status and Future Outlook for Genomic Technologies--Mostafa Ronaghi and Jeffrey Fisher""; ""Engineering Biomimetic Peptides for Targeted Drug Delivery--Efrosini Kokkoli""; ""Autonomous Systems and Synthetic Biology--Henry Hess""; ""APPENDIXES""; ""Contributors""; ""Program""; ""Participants""
Sommario/riassunto	"This volume highlights the papers presented at the National Academy of Engineering's 2010 U.S. Frontiers of Engineering Symposium. Every

year, the symposium brings together 100 outstanding young leaders in engineering to share their cutting-edge research and technical work. The 2010 symposium was held September 23 - 25, and hosted by IBM at the IBM Learning Center in Armonk, New York. Speakers were asked to prepare extended summaries of their presentations, which are reprinted here. The intent of this book is to convey the excitement of this unique meeting and to highlight cutting-edge developments in engineering research and technical work."--Publisher's description.
