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Nota di contenuto	Contributors. -- Preface. -- Introduction. -- The Sec Vision (H. Gill & J. Bay). -- Trends and Technologies For Unmanned Aerial Vehicles (D. Van Cleave). -- Previewing the Software-Enabled Control Research Portfolio (T. Samad & G. Balas). -- II:<U+0083>SOFTWARE ARCHITECTURES FOR REAL-TIME CONTROL. -- Open Control Platform: A Software Platform Supporting Advances in UAV Control Technology (J. Paunicka, et al.). -- A Prototype Open Control Platform For Reconfigurable Control Systems (L. Wills,<U+0083>et al.).<U+0083> -- Real-Time Adaptive Resource Management for Multimodel Control (M. Agrawal,<U+0083>et al.).<U+0083> -- Heterogeneous Modeling and Design of Control Systems (X. Liu, et al.). -- Embedded Control Systems Development with Giotto (T. Henzinger, et al.). -- III: ONLINE<U+0083>MODELING AND

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Sommario/riassunto

. Discusses open systems, object orientation, software agents, domain-specific languages, component architectures, as well as the dramatic IT-enabled improvements in memory, communication, and processing resources that are now available for sophisticated control algorithms to exploit.. Useful for practitioners and researchers in the fields of real-time systems, aerospace engineering, embedded systems, and artificial intelligence.
