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Nota di contenuto	Contents; List of contributors; Preface; List of abbreviations; 1 Advances in power plant technology; 1.1 Power plant historical development; 1.2 Plant configuration and design; 1.3 Control and instrumentation; 1.4 External influences; 1.5 Plant technology developments; 1.6 References; Part 1: Modelling and simulation; 2 Modelling of power plants; Part 2: Control; 3 Modelling and control of pulverised fuel coal mills; 4 Generator excitation control using local model networks; 5 Steam temperature control; 6 Supervisory predictive control of a combined cycle thermal power plant 7 Multivariable power plant controlPart 3: Monitoring, optimisation and supervision; 8 Extending plant load-following capabilities; 9 Modelling of NOx emissions in coal-fired plant; 10 Model-based fault detection in a high-pressure heater line; 11 Data mining for performance monitoring and optimisation; 12 Advanced plant management systems; Part 4: The future; 13 Physical model-based coordinated power plant control; 14 Management and integration of power plant operations; Index
Sommario/riassunto	An exploration of how advances in computing technology and current areas of research can be combined to extend the capabilities and

