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Titolo	A Decade of Research Activities at the Department of Industrial Engineering (UniNa-DII) : From Five Existing Departments to the Excellence in Research // edited by Nicola Bianco, Agostino De Marco, Sergio De Rosa, Michele Grassi
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Nota di contenuto	Historical Background and Evolution in the Decade -- Naval Architecture and Marine Engineering -- Aerospace Engineering -- Fluid machinery, Energy Systems and Power Generation -- Thermal Engineering and Building Energy Systems -- From Mechanical to Complex System Modeling and Design -- Business and Management Engineering -- Statistics for Experimental and Technological Research -- Electrical Power Systems -- Real Estate Appraisal -- The Project for the Excellence: a Guide for the next Decade.
Sommario/riassunto	This open access book celebrates the decennial of the Department of Industrial Engineering of Università di Napoli Federico II, Italy. It covers the main research achievements developed at the department in the fields of aerospace, marine, energy, statistical, mechanical and

management engineering. Five pre-existing departments merged in 2013, and the research results are here summarized to certify how important it was to join skills, expertise, and projects. The industrial engineering area is huge, but it is now dominated by the need to conceive and analyze new solutions, human and climate oriented to face with the actual challenges which dictate the new paradigm, which evolved from “is it feasible?” to “is it compatible with the environment and the human beings?”. There is still a lot to do, but the contents of this book demonstrate that the first steps have been done. All the researchers of the department have contributed to this book, more than 140 authors, and thus, it is the collective outcome of the path they were able to perform all together, including administrative officers and technicians. It highlights the international relevance and multidisciplinary of research at the university as well as the planned research lines for the next years. .
