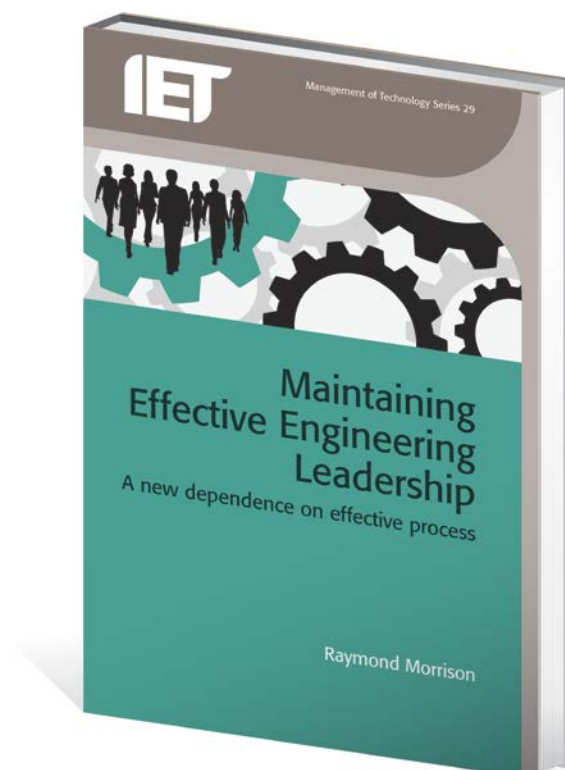


MAINTAINING EFFECTIVE ENGINEERING LEADERSHIP: A NEW DEPENDENCE ON EFFECTIVE PROCESS

RAYMOND MORRISON

Explores a framework of skills and process as a means of maintaining leadership development, referring to the space shuttle Columbia disaster as a primary example to highlight the importance of key leadership skills.

- Follow up to the author's book "Developing Effective Engineering Leadership" (IET 2002)
- Argues that engineering leadership is the result of the development of four fundamental concepts: personal managerial skills, self-leadership skills, operational leadership skills, and organisational leadership skills.
- Each concept is explored in turn with examples taken from the space shuttle Columbia disaster in 2003.
- The book also introduces the Capability Maturity Model which provides organisations with appropriate processes and knowledge guidelines to ensure effective leadership to avoid such disasters.



READERSHIP

Essential reading for engineers with a focus on management, who aim to improve their personal leadership skills. This book will also appeal to advanced undergraduate and graduate students of engineering and management courses.

AUTHOR INFORMATION

Ray Morrison has a distinguished career working in the aerospace industry and engineering education. He is the recipient of the EPDA National Fellowship and has been an active member of the Society of Automotive Engineers, the Society for Manufacturing Engineers and the American Society for Engineering Education.

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