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Corrosion engineering is the specialist discipline that requires application of scientific, technical and engineering knowledge along with natural laws and physical resources in order to design and implement materials, structures, devices, systems and procedures to manage the natural phenomenon known as corrosion.

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Corrosion Engineering - 1st Edition

Pierre R. Roberge, Ph.D., P.E., is a professor at the Royal Military College of Canada, where he teaches materials engineering, corrosion engineering, and electrochemical power sources. He previously worked as a research scientist in industry, specializing in the performance of materials in service and the production of energy with electrochemical power sources.

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Principles Of Corrosion Engineering And

The cost of corrosion differs from country to country..Corrosion engineering is the application of principles evolved from corrosion science to minimize or prevent corrosion. Corrosion engineering involves designing of corrosion-prevention schemes and implementation of specific codes and practices. Corrosion may severely affect the functions of metals, plants, and equipment. The chapter also discusses the health hazard involved with corroded structures.

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