

FIGURE 1
Assessing Emerging Technology by Adoption Stages

Adoption Stage	Emerging Technology Familiarity in the Organization	Need to Understand	Desired Outcome
General business consideration	Not used before	Possible use case and benefits, general threats with controls and ballpark costs	Potential business value Do possible benefits outweigh costs?
Implementation of the first use case	Not used before	Options for deploying, specific threats for the use cases, specific controls needed and cost	Determining the best option for initial benefit
Implementation of further use cases	Limited use	Options for deploying, specific threats for the use case, specific controls needed and cost Building on initial experience and considering what else is known about the technology and its use	Success for each use case
Integration with a strategy to scale	Disparate, often no cohesive view	Best option for scaling to effect strategy with threats, controls, costs and benefits	Maximize benefits and gain economies of scale

Emerging Technologies Risk Assessment Computational Mechanics And Advanced Engineering Topics

H Kauffman



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Emerging Technologies ,2000 *Emerging Technologies* F. L. Cho,2000 *Computational Mechanics* ,2002

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Computer Technology and Applications Wolf Dietrich Reinhardt,John Martin,2003 Technical Publications by JAERI Staff in ... Nihon Genshiryoku Kenkyujo,2001 Index of Conference Proceedings British Library. Document Supply Centre,2003 *Proceedings of the ASME Pressure Vessels and Piping Conference--2005: Computer technology* ,2005
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Subject Guide to Books in Print ,1996 Directory of Published Proceedings ,2002 **ASEE ... Profiles of**

Engineering & Engineering Technology Colleges ,1998 **Handbook of Research on Industrial Advancement in Scientific Knowledge** Diaz, Vicente González-Prida,Bonilla, Jesus Pedro Zamora,2019-01-18 In a society that praises and promotes technological advancement it becomes increasingly essential to review the effects of such rapid technological growth New high tech advances need to be examined to determine what they mean to science society and industry along with the benefits and challenges they present The Handbook of Research on Industrial Advancement in Scientific Knowledge addresses the intersection of technology and science where engineering considerations mathematical approaches and management tools provide a better understanding and awareness of Industry 4 0 while also taking into account the impact on current society This publication identifies methodologies and applications related to decision making risk and uncertainty and design and development not only on scientific and industrial topics but also on social and ethical matters It is designed for engineers entrepreneurs academicians researchers managers and students **Applied mechanics reviews** ,1948

Bridge Maintenance, Safety, Management and Life-Cycle Optimization Dan Frangopol,Richard Sause,Chad Kusko,2010-07-07 Bridge Maintenance Safety Management and Life Cycle Optimization contains the lectures and papers presented at IABMAS 2010 the Fifth International Conference of the International Association for Bridge Maintenance and Safety IABMAS held in Philadelphia Pennsylvania USA from July 11 through 15 2010 All major aspects of bridge maintenance s **ASEE 1995-1996 Profiles of Engineering & Engineering Technology Colleges** ,1997 **Peterson's Guide to Graduate and Professional Programs, an Overview** ,1995 *NASA SP-7500* United States. National Aeronautics and

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