

## APPENDIX

# A Abbreviations

ABC	Accelerated bridge construction	GPS	Global positioning system
ACEC	American Council of Engineering Companies (formerly American Consulting Engineers Council)	HP	Hewlett-Packard
		IEEE	Institute of Electrical and Electronic Engineers
AD	From the Latin anno Domini, meaning in the year of the Lord	IPO	Issue, problem, opportunity
AICHE	American Institute of Chemical Engineers	IQ	Intelligence quotient
ASCE	American Society of Civil Engineers	KSA	Knowledge-skills-attitudes
ASEE	American Society for Engineering Education	MEG	Magnetoencephalography
		mgd	Million gallons per day
ASME	American Society of Mechanical Engineers	MIT	Massachusetts Institute of Technology
AWWA	American Water Works Association	MRI	Magnetic resonance imaging
BC	Before Christ	NAE	National Academy of Engineering
BIM	Building information modeling	NASA	National Aeronautics and Space Administration
CADD	Computer-aided design and drawing		
CAE	Certified Association Executive	NIH	National Institutes of Health
CEBOK	Civil Engineering Body of Knowledge	NCR	Current name for the former National Cash Register Company
CEO	Chief Executive Officer	NSF REU	National Science Foundation Research Experiences for Undergraduates
CPA	Certified Public Accountant	NSPE	National Society of Professional Engineers
DGPS	Differential global positioning system	PE	Professional Engineer
DIP	Ductile iron pipe	PET	Positron emission tomography
DWYSYWD	Do what you say you will do	PMI	Project Management Institute
EBOK	Engineering Body of Knowledge	ppm	Parts per million, by weight
EEG	Electroencephalography	PVC	Polyvinyl chloride pipe
fMRI	Functional magnetic resonance imaging	PYAWAYP	Plan your work and work your plan
FUD	Fear, uncertainty, doubt		

R&D	Research and development	TI	Texas Instruments
RCA	Radio Corporation of America	TINO	Team in Name Only
6TCM	Six Thinking Caps Method	TRIZ	Theory of Inventive Problem Solving (TRIZ is an acronym for <i>Theory of Inventive Problem Solving</i> in Russian)
SOP	Standard operating procedure		
SPECT	Single photon emission computed tomography	USDA	US Department of Agriculture
STC	Size-Time-Cost	USGS	US Geological Survey
SWOT	Strengths-Weaknesses-Opportunities-Threats	WEF	Water Environment Federation
TC	Technical committee	WTP	Water treatment plant
TED	Technology, Entertainment, and Design		