Barry W. Boehm, TRW Professor of Software Engineering and Director, Center
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Barry Boehm received his B.A. degree from Harvard in 1957, and his M.S. and Ph.D. degrees
from UCLA in 1961 and 1964, all in Mathematics. He also received an honorary Sc.D. from the
U. of Massachusetts in 2000. Between 1989 and 1992, he served within the U.S. Department of
Defense (DoD) as Director of the DARPA Information Science and Technology Office, and as
Director of the DDR&E Software and Computer Technology Office. He worked at TRW from
1973 to 1989, culminating as Chief Scientist of the Defense Systems Group, and at the Rand
Corporation from 1959 to 1973, culminating as Head of the Information Sciences Department.
He was a Programmer-Analyst at General Dynamics between 1955 and 1959. His current
research interests focus on integrating a software system's process models, product models,
property models, and success models via an approach called MBASE (Model-Based (System)
Architecting and Software Engineering). His contributions to the field include the Constructive
Cost Model (COCOMO), the Spiral Model of the software process, and the Theory W
(win-win) approach to software management and requirements determination. He has served on
the board of several scientific journals and as a member of the Governing Board of the IEEE
Computer Society. He currently serves as Chair of the Board of Visitors for the CMU Software
Engineering Institute. He is an AIAA Fellow, an ACM Fellow, an IEEE Fellow, an INCOSE
Fellow, and a member of the National Academy of Engineering.

His honors and awards include Guest Lecturer of the USSR Academy of Sciences (1970), the
AIAA Information Systems Award (1979), the J.D. Warnier Prize for Excellence in Information
Sciences (1984), the ISPA Freiman Award for Parametric Analysis (1988), the NSIA Grace
Murray Hopper Award (1989), the Office of the Secretary of Defense Award for Excellence
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Award in Software Engineering (1997), the IEEE Harlan Mills Award (2000), and an honorary
Sc. D. in Computer Science from the University of Massachusetts (2000). He is an AIAA
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