

Journal of STEM Education: Innovations and Research

Volume 11 • Issue 3 & 4 • Leadership Issue

Foreward	2
International Editorial Advisory Board	3
Editorial Review Board	4
Editorial	5
Guest Editorial – Pamela McCauley Bush	6
FEATURES	
“Leading Learning: Questions for Faculty and Administrators” Norman L. Fortenberry	7
Engineering Leadership Development Programs A Look at What is Needed and What is Being Done Lesia Crumpton-Young, Pamela McCauley-Bush, Luis Rabelo, Katherine Meza, Ana Ferreras, Betzaida Rodriguez, Angel Millan, David Miranda, Misha Kelarestani	10
Developing Leadership Skills of Undergraduate Engineering Students: Perspectives from engineering faculty Monica F. Cox, Osman Cekic, Stephanie G. Adams	22
Developing Leadership Skills in <i>Introduction to Engineering Courses</i> through Multi-Media Case Studies Chetan S. Sankar, Barbara Kawulich, Howard Clayton, P.K. Raju	34
Engineering Leadership Education – The Search for Definition and a Curricular Approach Richard J. Schuhmann	61
The Engineering Leadership Program: <i>A co-curricular learning environment by and for students</i> K. S. Athreya and Michael T. Kalkhoff	70
Instructions for Authors	75
Contribution Form	76

The Journal of STEM Education: Innovations and Research (ISSN 1557-5284) is published by The Institute for STEM Education and Research, P.O. Box 4001, Auburn, AL 36831. www.jstem.org The Institute for STEM Education and Research is a non-profit entity. Periodicals postage rate paid at Auburn, AL and additional mailing offices.

CONTRIBUTIONS are greatly appreciated and are tax-exempt.

PERMISSION FOR USE: The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works or for resale. Specific written permission must be obtained from the publisher for such copying.

Copyright © 2009 by The Institute for STEM Education and Research. It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher if and when the article is accepted for publication. The copyright covers the exclusive rights to reproduce and distribute the article, including reports, photographic reproductions, microfilm or any other reproduction of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, photocopying, recording or otherwise, without permission in writing from the copyright holder.