

Contents

From the Field – An Invited Article

- 2 Teaching Engineering Concepts in High School Project
Rodney L. Custer and Jenny L. Daugherty

Articles

- 5 The GRIDC Project: Developing Students' Thinking Skills in a Data-Rich Environment
V. William DeLuca and Nasim Lari
- 19 Analysis of Engineering Content within Technology Education Programs
Todd D. Fantz and Petros J. Katsioloudis
- 32 Are We Missing Opportunities to Encourage Interest in STEM Fields?
Cathy Hall, Jeremy Dickerson, David Batts, Paul Kauffmann, and Michael Bosse
- 47 Experts vs. Novices: Differences in How Mental Representations are Used in Engineering Design
Raymond A. Dixon and Scott D. Johnson

Miscellany

- 66 Scope of the JTE
Editorial/Review Process
Manuscript Submission Guidelines
Subscription Information
JTE Co-sponsors and Membership Information
Electronic Access to the JTE
JTE Editorial Review Board