

COMPUTERS IN EDUCATION JOURNAL

COMPUTERS IN EDUCATION DIVISION OF ASEE
VOL. 5 NO. 2 APRIL – JUNE 2014 JOURNAL

CONTENTS

Newsletter	2
<i>Quick-Return Mechanism Revisited</i> by Echempati, LeBlanc, Sahu and Dani	6
<i>Automated Grading of First Year Student CAD Work</i> by Hekman and Gordon	16
<i>Monte Carlo Simulations of Three Dimensional Hard Particle Fluids</i> by Balady and Bishop	25
<i>Employing Various 2D Visual Appearances of 3D Objects to Explore the Understanding Differences of Orthographic Views in Graphical Education</i> by Chiang and Wu	31
<i>Java Functions for Power Amplifier Linearization Techniques</i> by Santucci and Spanias	46
<i>A Web-Based Simulation and Visualization Module for an Undergraduate Thermodynamics Course</i> by Chaturvedi, Abdel-Salam and Arora	58
<i>Serious Games to Improve Student Learning in Engineering Classes</i> by Rajan, Raju and Sankar	68
<i>Undergraduate Experiential Learning Lab for Aircraft Parameter Identification</i> by Perhinschi and Azzawi	79
<i>Novices and Collaborative Computer Programming: Lessons Learned</i> by Earle	93
<i>Monte Carlo Simulations of Three Dimensional Mixtures of Hard Particles</i> by Balady and Bishop	107