



Accession number: 20103913253064

Title: A study of using internet technology to improve learning efficiency of learning injection

molding technology

Authors: Lin, Hsuan-Liang¹; Jeng, Ming-Chang¹; Chen, Shia-Chung^{2, 3, 4}

Author affiliation: 1 Department of Mechanical Engineering, National Central University, Taiwan

² Department of Mechanical Engineering, Chung Yuan Christian University, Taiwan

³ R and D Center for Mold and Molding Technology, Chung Yuan Christian University, Taiwan

⁴ R and D Center for Membrane Technology, Chung Yuan Christian University, Taiwan

Corresponding author: Lin, H.-L.

Source title: Annual Technical Conference - ANTEC, Conference Proceedings

Abbreviated source title: Annu Tech Conf ANTEC Conf Proc

Volume: 3

Monograph title: 68th Annual Technical Conference of the Society of Plastics Engineers 2010, ANTEC 2010

Issue date: 2010

Publication year: 2010

Pages: 1758-1762

Language: English

CODEN: ACPED4

ISBN-13: 9781617386602

Document type: Conference article (CA)

Conference name: 68th Annual Technical Conference of the Society of Plastics Engineers 2010, ANTEC 2010

Conference date: May 16, 2010 - May 20, 2010

Conference location: Orlando, FL, United states

Conference code: 81712

Publisher: Society of Plastics Engineers, 14 Fairfield Drive - P.O. Box 403, Brookfield, CT 06804-0403,

United States

Abstract: Now internet is a very important source that we get the new knowledge, and e-learning is a

popular type of learning new technology or existed knowledge. This study developed an e-learning system of injection molding by the standard of SCORM 2004. A learner can attend class by a computer with a network without the limitation of time or places. We let 32 persons of using the system to learn for test-retest experiment. And using paired samples t-test to analyze the results of the experiment can get that t-value is -14.182 and p value is smaller than 0.05.

Number of references: 6

Main heading: Injection molding

Controlled terms: E-learning - Elastomers - Engineers - Experiments - Internet - Learning systems - Molds - Plastic

products - Plasticity

Uncontrolled terms: e-learaing - Internet technology - Learning efficiency - New technologies - P-values - Paired sample

SCORM 2004

Classification code: 901.3 Engineering Research - 901.1 Engineering Professional Aspects - 818.4 Rubber Factories

and Machinery - 818.2 Elastomers - 817.1 Polymer Products - 951 Materials Science - 816.2 Plants and Machinery for Plastics and Other Polymers - 723 Computer Software, Data Handling and Applications - 718 Telephone Systems and Related Technologies; Line Communications - 717 Optical Communication - 716 Telecommunication; Radar, Radio and Television - 816.1

Processing of Plastics and Other Polymers

Database: Compendex

Compilation and indexing terms, @ 2011 Elsevier Inc.

© 2011 Elsevier Inc. All rights reserved.

2/2 2011/6/13 下午 09:45