

## Author's Accepted Manuscript

Carbon Nanotube (CNT) and Nanofibrillated Cellulose (NFC) Reinforcement Effect on Thermoplastic Polyurethane (TPU) Scaffolds Fabricated via Phase Separation Using Dimethyl Sulfoxide (DMSO) as Solvent

Hao-Yang Mi, Xin Jing, Max R. Salick, Travis M. Cordie, Lih-Sheng Turng



PII: S1751-6161(16)30154-0  
DOI: <http://dx.doi.org/10.1016/j.jmbbm.2016.05.026>  
Reference: JMBBM1939

To appear in: *Journal of the Mechanical Behavior of Biomedical Materials*

Received date: 2 February 2016  
Revised date: 18 May 2016  
Accepted date: 23 May 2016

Cite this article as: Hao-Yang Mi, Xin Jing, Max R. Salick, Travis M. Cordie and Lih-Sheng Turng, Carbon Nanotube (CNT) and Nanofibrillated Cellulose (NFC) Reinforcement Effect on Thermoplastic Polyurethane (TPU) Scaffolds Fabricated via Phase Separation Using Dimethyl Sulfoxide (DMSO) as Solvent *Journal of the Mechanical Behavior of Biomedical Materials* <http://dx.doi.org/10.1016/j.jmbbm.2016.05.026>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

Carbon Nanotube (CNT) and Nanofibrillated Cellulose (NFC)  
Reinforcement Effect on Thermoplastic Polyurethane (TPU)  
Scaffolds Fabricated via Phase Separation Using Dimethyl  
Sulfoxide (DMSO) as Solvent

Hao-Yang Mi<sup>1,2</sup>, Xin Jing<sup>1\*</sup>, Max R. Salick<sup>3</sup>, Travis M. Cordie<sup>4</sup>, and Lih-Sheng Turng<sup>2\*</sup>

<sup>1</sup>Department of Industrial Equipment and Control Engineering, South China  
University of Technology, Guangzhou, 510640, China

<sup>2</sup>Department of Mechanical Engineering, University of Wisconsin–Madison, Madison,  
WI, 53706, USA

<sup>3</sup>Department of Engineering Physics, University of Wisconsin–Madison, WI, 53706,  
USA

<sup>4</sup>Department of Biomedical, University of Wisconsin–Madison, WI, 53706, USA

Corresponding authors:

\* Xin Jing, Tel: 8618578664293; Email: mexjing@scut.edu.cn

\* Lih-Sheng Turng, Tel: 1(608)316-4310; Email: turng@engr.wisc.edu

Download English Version:

<https://daneshyari.com/en/article/7207830>

Download Persian Version:

<https://daneshyari.com/article/7207830>

[Daneshyari.com](https://daneshyari.com)