

**MINNESOTA STATE COLLEGES AND UNIVERSITIES
BOARD OF TRUSTEES**

Agenda Item Summary Sheet

Name: Academic and Student Affairs Committee

Date: May 19, 2015

Title: Spotlight: Minnesota State University, Mankato 3-D Technology Innovations

Purpose (check one):

Proposed
New Policy or
Amendment to
Existing Policy

Approvals
Required by
Policy

Other
Approvals

Monitoring /
Compliance

Information

Brief Description:

Representatives from Minnesota State University, Mankato will present on 3-D Technology Innovations.

Scheduled Presenter(s):

- Richard Davenport, President
- Ed Clark, CIO and Vice President for Technology
- Jude Higdon, Ed.D., Interim Associate Vice President for IT
- Matt Clay, Assistant CIO for Academic Technology and Technology Consulting
- Jeff Henline, Enterprise Academic Technology Coordinator

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INFORMATION ITEM
SPOTLIGHT: MINNESOTA STATE UNIVERSITY, MANKATO 3-D TECHNOLOGY INNOVATIONS

BACKGROUND

At each board meeting, the board pauses to spotlight students or the work of Minnesota State Colleges and Universities on behalf of students. This month's presentation will spotlight Minnesota State University, Mankato's 3-D Technology Innovations:

The recent emergence of sophisticated 3-D modeling, visualization, and printing holds great promise for a wide variety of disciplines. Imagine a medical student printing a high-definition 3-D model of a tumored organ to practice a surgery; an automotive student printing a hard to find part to repair a vintage car; or an art history student in the U.S. manipulating a 3-D model of a Jade Buddha from China. This presentation will showcase our nascent exploration of these possibilities, including creating 3-D models, curating them in a digital library (including a VR tour of the 3-D artifacts), and printing the models.