

OCAD U **FACULTY TALK**

Francis LeBouthillier

Faculty of Art

Making Digital Matter:

From Analog to Digital & Back Again

This presentation will include new developments from Francis' Making Digital Matter Surgical Training Fetus Project. This project involved the development of a series of fetal models that were created directly from MR and CT scans employing the technologies of 3D printing. Francis will also present a series of fetal and maternal models used to simulate

fetal anomalies to provide surgical training for a group of international surgeons at the recent Fetal Growth Conference hosted by Mount Sinai and the University of Toronto. This body of work represents the culmination of over 16 years of research, development and collaboration with fetal surgeons and researchers.



When?

2016

TUESDAY
NOV
29

1:00 pm to 2:30 pm

Where?

100 McCAUL ST
ROOM 187

COFFEE AND LIGHT
SNACKS WILL BE SERVED

About



Francis LeBouthillier is an Associate Professor in the Sculpture Installation Program in the Faculty of Art. In addition to his academic career, Francis is a multidisciplinary artist, designer and researcher utilizing historical sculpture techniques, alongside digital technologies, to create high fidelity surgical simulators. The primary focus of his research has been directed towards the abatement and correction of in utero pathologies. This research has been developed in collaboration with medical researchers, and fetal surgeons from around the world. In 2012,

LeBouthillier's research work was selected to be a part of the Ontario Council of University's province wide Research Matters Campaign. In 2014, his research was featured in a documentary for Smithsonian Canada that highlighted his contributions in the advancement of surgical simulators in support of fetal health. In 2015, Professor LeBouthillier was the recipient of OCAD U's Distinguished Research, Scholarship & Creative Activity award.