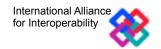
building SMARTalliance

## **Education Forum**

## Terry Beaubois Director, Creative Research Lab Montana State University







#### **Education Forum**

## **MSU - College of Arts & Architecture:**

- Art
- Architecture
- Music
- MTA (Theatre Arts, Film, Video, Photography)





#### **Education Forum**

**Developing Collaborations between CRLab and:** 

- Library
- Technology Center
- Extended University
- Engineering and Construction Management
- Facilities Design Laboratory
- Land Resources and Environmental Science
- History
- Computer Science
- Education
- Business
- The Humanities
- Science, Cell / Plant
- Mathematical Sciences
- Microbiology
- Museum



### The Creative Research Lab focus areas:

- Applied Research & Creative Projects
- Multi-disciplinary Collaboration
- Media Literacy

- Sustainable Community Design
- Prototyping in Virtual Environments



In the Virtual Environment, Second Life

# 2005 ~ 1-12 Universities / Research 2006 ~ 80 Universities / Research 2007 ~ 200+ Universities / Research

2008 ~ 400 Universities / Research



## 2007:

- Solution NSF announces \$50 million program that includes funding for research/ education in Virtual Environments.
- MacArthur Foundation launches \$50 million program that includes education/philanthropy in Virtual Environments.





#### The CRLab and the Science of Building





#### The CRLab and the Science of Building: Ancient Buildings





#### The CRLab and the Science of Building: Ancient Buildings - Archaeology





#### The CRLab and the Science of Building:

#### Ancient Buildings - Archaeology Historic Buildings





#### The CRLab and the Science of Building:

Ancient Buildings - Archaeology Historic Buildings - Historic Preservation





#### The CRLab and the Science of Building:

Ancient Buildings - Archaeology Historic Buildings - Historic Preservation Current Buildings





#### The CRLab and the Science of Building:

Ancient Buildings - Archaeology Historic Buildings - Historic Preservation Current Buildings - Design





#### The CRLab and the Science of Building:

Ancient Buildings - Archaeology Historic Buildings - Historic Preservation Current Buildings - Design Future Buildings





#### The CRLab and the Science of Building:

Ancient Buildings - Archaeology Historic Buildings - Historic Preservation Current Buildings - Design Future Buildings - Planning





For each of these projects, we will be developing, and teaching about Knowledge-based Information Systems that can include IFC standards, Sustainable Design, life-cycle vision, and interoperability.

Our "outreach" will be web-based, oriented to all interest levels, K-12, Higher Ed, Continuing Ed, and professional.

CRLab wishes to collaborate with NIBS to raise awareness and knowledge of IFC, IAI, BIM, while doing applied research on BIM2.0.



After being a visiting lecturer in the CRLab, a leading professor commented that in 30 years, he had never been with students that were so engaged in his presentation..... and that it was like he was in the 21st Century for the first time.





building SMARTalliance

# **Education Forum**

## Terry Beaubois tbeaubois@montana.edu

## Director, Creative Research Lab Montana State University





