

## *Background*

- New technological frontier
- Impacts all economic sectors
- Mason one of four universities in the world
- Education through translational research
- Rapid commercialization & economic development

## *Applications*

- Defense and security. Concussion, PTSD, IARPA
- Disaster Response. Fairfax Fire & Rescue Training
- Financial Stress tests. Failure prediction
- Chronic diseases, mobility, cognition. NIJ Rehab
- Experiential education and training
- Art, humanities, and entertainment

## *FY' 14 Funding*

- New faculty hired
- Recruiting new program Executive Director
- Launched education and training site in Prince William County
- Curriculum, training, and certification programs
- Support six new start-up businesses

Bruxe Studios, Little Arms Studios, Prime Health PC, WellBee LLC, Zaah on Campus LLC, and the Amer. Assoc. of Colleges and Pharma Education Development Company

# Simulation, Modeling, and Gaming

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## **FY' 15 & 16 Funding**

- Seek corporate and foundation funding to accelerate program
  - \$32,000 grant from PWC Economic Development
  - \$50,000 grant from Beck Foundation
- Appoint Institute Executive Director
- Propose national simulation and gaming programs on:  
Defense, security, and brain injury
- Develop under-graduate and graduate courses
- Expand outreach to Commonwealth businesses from  
start-ups to major contractors

## *Impact of Commonwealth Support*

- Virginia recognized as leader of new tech innovations
- Virginia home of a simulation, modeling and gaming cluster
- Growth in high-paying jobs. Already 25 positions created
- Funds flow to support Mason inter-disciplinary institutes:
  - Mason Medical and Health Institute
  - Mason Simulation, Modeling, and Gaming Institute
  - Mason Institute of Global Environment and Society
- Excellent new education and training programs

Thank You!