

Synchronicity – Finding Meaningful Coincidence The Bucknell – Geisinger Initiatives

Keith Buffinton

Dean, College of Engineering

Shane Cohen

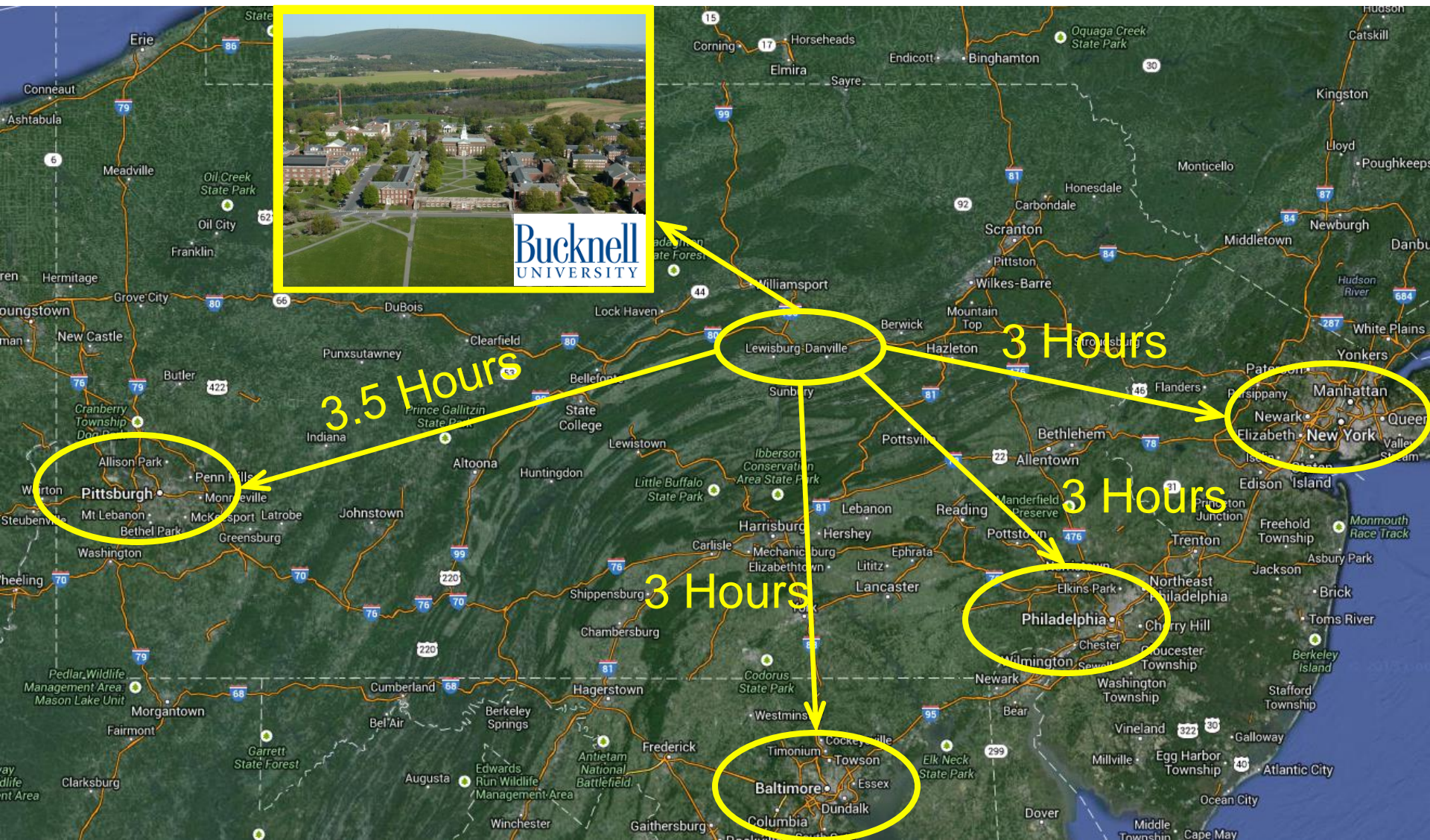
KEEN Industrial Liaison, College of Engineering

Eric Kennedy

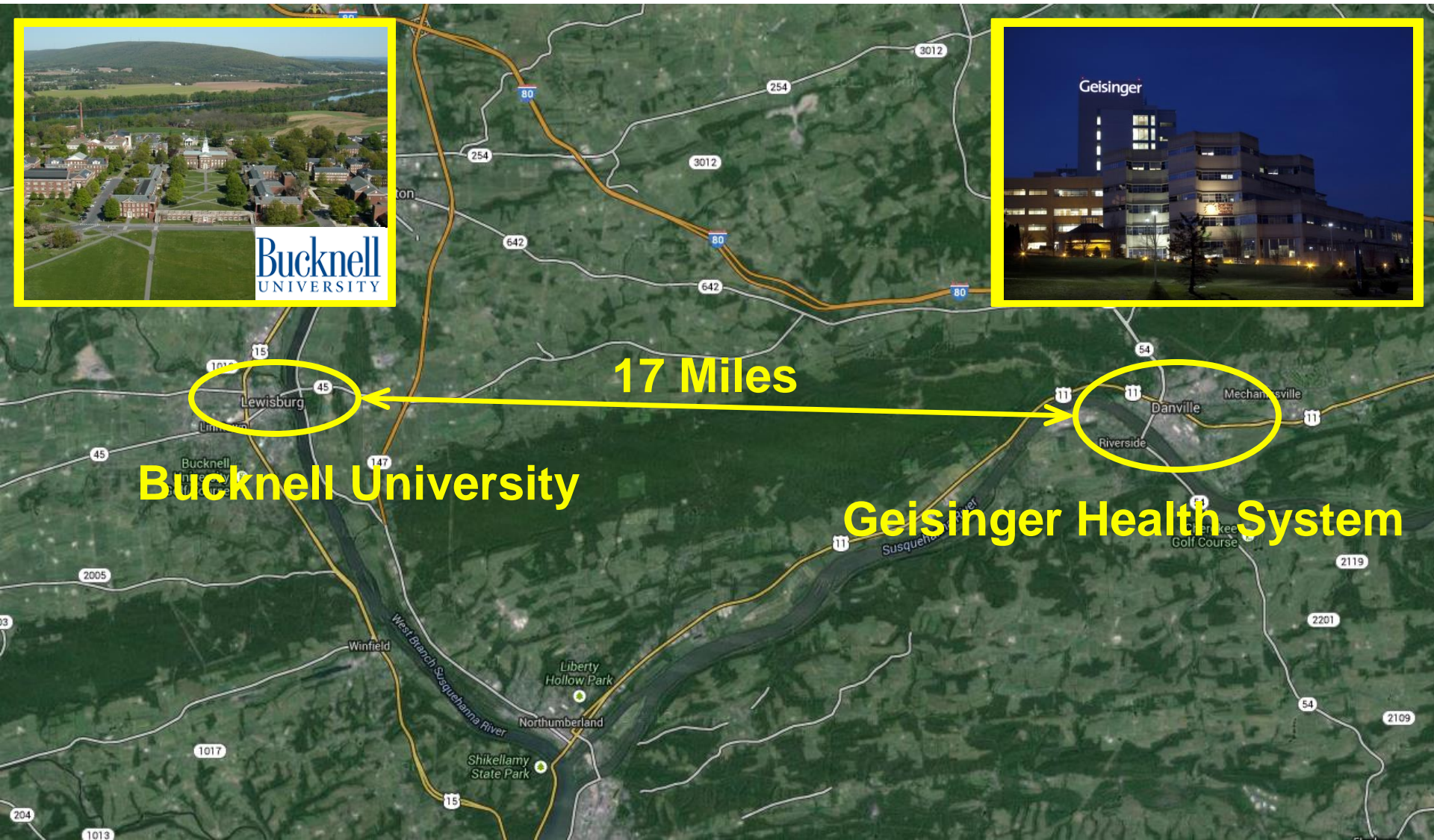
Department of Biomedical Engineering

GEISINGER
HEALTH SYSTEM

Bucknell
UNIVERSITY



**SYNCHRONIZED ENGINEERING COLLABORATIONS:
THE BUCKNELL – GEISINGER INITIATIVES**



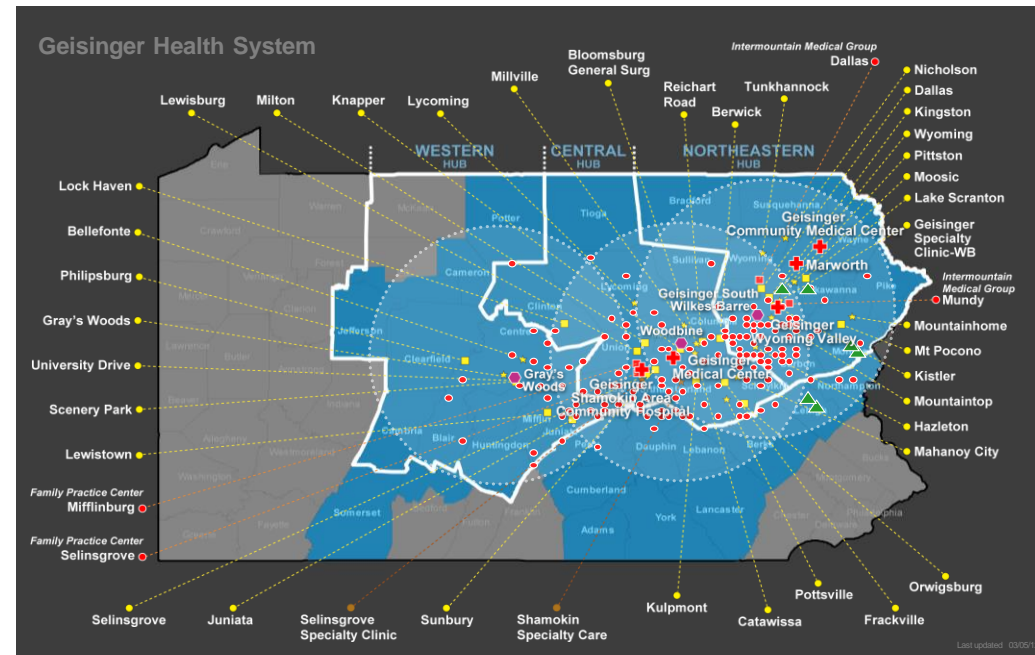
**SYNCHRONIZED ENGINEERING COLLABORATIONS:
THE BUCKNELL – GEISINGER INITIATIVES**

Facilities & Physicians:

- 44 county service with 2.6M patient population
- 4 major hospital centers & 2 community hospitals
- 77k admissions / 1800 beds
- 1000 physicians & 450 resident physicians

Managed Care Plans:

- 322k members
(including 68k Medicare Advantage members)
- 34k contracted providers/facilities
- 43 PA counties



Nationally Recognized for Integrated Healthcare Initiatives

Curricular & Capstone

- BME
- ME
- ECE
- CHEG

Interdisciplinary Projects

- Medical Device Development Program
- IDEAS Senior Design

Collaborative Research Initiatives

- BU-GHS Research Initiative
- Ciffolillo Healthcare Innovation Funds
- Costa Healthcare Research

Partnering with

Clinical Mentors

- General surgery
- Anesthesiology
- Orthopaedics
- etc.

Administrative Professionals

- Clinical Innovation & Process Transformation
- Tech. Transfer
- Clinical Research

**What complementary pathways exist?
Do programs leverage unique attributes in
support of each other?**

