

# SYMPOSIUM ON DATA SCIENCE FOR HEALTHCARE

Sponsored by the Leir Foundation  
September 25, 2015, The Leir Retreat Center, Ridgefield, CT

## Motivation

A big-data revolution is under way in healthcare. There is a dramatic growth of data in healthcare, from Electronic Health Record, lab systems, pharmaceutical companies, insurance claims, customer relationship management, to user-generated content in social media. Analytics of big data could change every inch of the nation's \$3 trillion healthcare industry — from better patient outcomes to a more transparent healthcare system to more accessible and affordable care —all for the better.

## Goal

The Symposium will bring together renowned researchers in multiple disciplines, major companies, policy makers from government agencies, and thought leaders from leading technology associations in related fields to discuss the challenges, opportunities and future directions in leveraging big data for healthcare revolution. We also hope this workshop will foster collaboration across different disciplines and sectors for profound impact.

## Topics

- Medical Informatics and Electronic Health Record
- Patient Engagement and Outreach
- Harnessing Social Media for Smart Healthcare
- Healthcare Systems and Population Health

## Organizer Professor Yi Chen

Henry J. Leir Chair in Healthcare, Associate Professor, NJIT



## Confirmed Speakers (so far)



**Dr. Susan Davidson**  
Founding Co-Director of the Center for Bioinformatics, Weiss Professor, Computer Science, UPenn. Chair of the Computing Research Association (CRA) Board of Directors.



**Dr. Bradford Hesse**  
Chief, Health Communication and Informatics Research Branch at National Cancer Institute, NIH



**Dr. James Geller**  
Professor and Chair of Computer Science, NJIT



**Dr. Kathy L. Grise**  
Senior Program Director, IEEE Future Directions



**Mr. Christopher Joyce**  
VP Analytic Platforms, Information Technology at Anthem, Inc.



**Dr. Selçuk Candan**  
Professor, Computer Science and Engineering, ASU



**Dr. Christopher C. Yang**  
Assoc. Professor, Computing & Informatics, Drexel Univ.



**Dr. Guodong Gao**  
Co-Director of the Center for Health Information and Decision Systems, Assoc. Professor, Business, UMaryland

## Why Attend

- **Learning** the cutting edge technologies of data science for healthcare
- **Showcasing** your research
- **Being updated** on the funding opportunities and priorities
- **Networking** with leading researchers and companies in the field
- **Exploring** collaboration opportunities
- **Inspiring** new ideas and shaping the future research directions
- **Be a part of healthcare transformation**

## Sponsor

### The Leir Charitable Foundations

Dr. Henry J. Leir (1900-1998) was an American industrialist, financier, and philanthropist. He was known internationally for his charitable endeavors as the founder of the Ridgefield Foundation and the Leir Foundation.



## Supporter



Participants from American Cancer Society, Geisinger, Bristol-Myers Squibb, Quest, and Inovalon, etc.