The Tele-Audiology Program at East Carolina University is a cooperative effort of staff and faculty from the Department of Communication Sciences and Disorders, the Department of Engineering and the ECU Telemedicine Center.

**Active studies**

- Cloud-based systems for the diagnosis and definition of hearing loss
- Altered-music applications to tinnitus
- Mobile device applications to audiology

**Program publications**


**Selected Presentations**


Higuchi, K., Givens, G., Yao, J., & Yao, D. An investigation of the clinical efficacy of a server-based teleaudiology system. Poster session presented at the North Carolina Speech Language and Hearing Association Fall Convention, Wilmington, NC, September 2013.


Givens, G. Innovation Development: The Interface between Science and Business (Tools to Transform Research and Scholarship through Partnerships), April, 2011.


Yao, J. & Givens, G., A Tele-Hearing Diagnosis System Based on Web Services, 14th Annual International Meeting and Exposition of the American Telemedicine Association, Las Vegas, April 2009.


**Patents - USPO**


Givens, G., Balch, D., Murphy, T. Blanarovich, A., and Keller, P. System, methods and products for diagnostic hearing assessments distributed via the use of a computer network, United States patent #7,530,957, May 12, 2009.


**Patents - International**


**Relevant service**

Member (Givens) - National Think Tank on Telepractice Licensure Portability, Washington DC July 24, 2012

Member (Givens) - Tele-audiology Committee of the International Society of Audiology, 2012
Member (Givens) – Scientific and Professional Education Board, American Speech-Language-Hearing Association, 2010 - 2012.

Board of Directors (Givens) - National Council of State Boards of Examiners in Speech-Language Pathology and Audiology 2010 – present.


Principle Investigators

Gregg D. Givens, Ph.D.  
Professor and Chair  
Department of Communication Sciences and Disorders  
Mail Stop 668  
College of Allied Health Sciences  
East Carolina University, Greenville, NC 27858  

Jianchu (Jason) Yao, Ph.D.  
Associate Professor  
Department of Engineering  
College of Technology and Computer Science  
East Carolina University

p - 252.744.6080, e - Givensg@ecu.edu  
p - 252.737.1029, e - Yaoj@ecu.edu