Stanford

Richard Fan

Clinical Assistant Professor, Urology

Bio

BIO

Richard E. Fan, Ph.D., is an engineer embedded in the Department of Urology in the Stanford School of Medicine.

Dr. Fan's research relates to the development of clinically driven biomedical instrumentation and medical devices. He is interested in translational application of emerging technologies in the medical and surgical spaces, as well as the development of platforms to explore clinical and pre-clinical evaluation. His primary work is currently focused on image guided detection and treatment of prostate cancer, including MR-US fusion, focal therapies, embedded systems and robotics.

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Urology

ADMINISTRATIVE APPOINTMENTS

- Engineering Director, Urologic Cancer Innovation Lab, (2014- present)
- Undergraduate Programs, Stanford Byers Center for Biodesign, (2017- present)

PROFESSIONAL EDUCATION

- PhD, UCLA , Biomedical Engineering (2010)
- MS, UCLA , Electrical Engineering (2006)
- BS, University of Arizona , Electrical Engineering (2005)

LINKS

- Urologic Cancer Innovation Lab: http://ucil.stanford.edu
- Stanford Byers Center for Biodesign: http://biodesign.stanford.edu

Teaching

COURSES

2018-19

- Biodesign Fundamentals: MED 275B (Spr)
- Senior Capstone Design I: BIOE 141A (Aut)
- Senior Capstone Design II: BIOE 141B (Win)

2017-18

- Biodesign Fundamentals: MED 275B (Spr)
- Senior Capstone Design I: BIOE 141A (Aut)
- Senior Capstone Design II: BIOE 141B (Win)

2016-17

- Biodesign Fundamentals: MED 275B (Spr)
- Senior Capstone Design I: BIOE 141A (Aut)

2015-16

- Biodesign: Medical Technology Innovation: MED 275B (Spr)
- Senior Capstone Design I: BIOE 141A (Aut)
- Senior Capstone Design II: BIOE 141B (Win)