PhD in Biomedical Engineering

The Shenzhen University (SZU) School of Biomedical Engineering (BME) invites applications to the PhD program in Biomedical Engineering for Fall 2018. The deadline for application is April 30, 2018. The admission time is September 10 – 12, 2018.

What is Biomedical Engineering?

Biomedical Engineering is the application of engineering principles and design concepts (such as computer science, information technique, electronic, mathematics, etc.) to medicine for healthcare purposes. The development of technologies related to medical care, health, and welfare are considered extremely crucial in the 21st century.

Why Shenzhen?

Shenzhen is one of the most innovative, modern and open cities in China. It is China’s first special economic zone and is a beautiful coastal city located immediately north of Hong Kong. Starting as a small fishing village in 1980, Shenzhen has grown from a sweatshop into a hi-tech hub home to 12 million people and a group of leading Chinese tech firms, including internet giant Tencent, telecom Huawei and drone maker DJI. Shenzhen is ranked as number one in China in terms of “overall economic competitiveness”. Shenzhen has plenty of job opportunities and is a city that can realize your dreams. Shenzhen citizens are very friendly, helpful and polite. You will become a master in the city, once you come to Shenzhen.
Why Shenzhen University School of Biomedical Engineering?

SZU is one of the fastest rising universities in the world. The 2016-2017 Academic Rankings ranks Shenzhen University ~60th / 3000 universities in China. The number of SZU’s NSFC funding (the most important funding in China) ranks 23rd in China in 2017. SZU BME has good reputation for graduate education. It’s discipline ranks top 15 in China. Our aim is to become top 5 disciplines in China in next 5~10 years.

Why Medical UltraSound Image Computing (MUSIC) Lab?

MUSIC aims at cutting-edge research on artificial intelligence (AI) in medical ultrasound. The artificial intelligence (AI) revolution is coming. AI is changing the way of traditional diagnosis. Currently MUSIC has more than 40 members, including six staffs, six postdocs and 30 graduate students. MUSIC published more than 60 high-quality papers in top-tier journals (IEEE TMI, IEEE TCYB, etc.) and top conference (MICCAI, ICCV, AAI, etc.) in recent three years. MUSIC leads the following research areas in the world: ultrasound image analysis; multi-modality image registration; breast cancer detection in ABUS. Most graduate students are employed by famous companies in China, such as Tencent, Baidu, Mindray, etc. For graduated master and PhD students, the common salaries are 32000 ~ 48000 US $ and 48000 ~ 80000 US $, respectively.

Who should apply to the PhD program?

Final year master students or students with master degree in computer science, electronics, information technology and other related majors, with keen interest in both computer science and biomedical engineering. The candidates should be good at programming and mathematics, and should be self-motivated, ambitious, persistent and creative.

Tuition: free; Fellowships: no less than 10000 US $ / year

Contact information

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