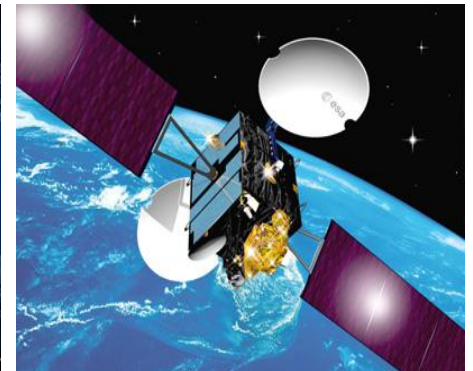


Le Quy Don Technical University Faculty of Radio-Electronics

<http://fre.mta.edu.vn>





About LQDTU

- **August 8, 1966** : The Military Technical Academy (MTA) founded for educating engineers for military service
- **May 6, 1991**: Le Quy Don Technical University (LQDTU) established based on MTA for public education
- One of the national-key and largest technical universities in Vietnam
- Offers multidisciplinary undergraduate and postgraduate training in engineering



About LQDTU (cont'd)

- The faculty consists of about 800 professors and lecturers, 237 with PhD degree
- Total 9.000s undergraduate and graduate students.
- Degree program includes:
 - Bachelor's degree: 33 programs.
 - Master's degree: 17 programs.
 - Doctoral degree: 13 programs



Faculties

- Physics and Chemical Engineering
- Information Technology
- Mechanical Engineering
- Vehicle Engineering
- Aerospace Technology
- Radio-Electronics Engineering
- Control Engineering
- Civil Engineering
- Technical Management
- Social and Human Sciences
- Military Education



Main campuses

- Campus 1: 100 Hoang Quoc Viet street, Cau Giay District, Hanoi, Vietnam.
- Campus 2: Me Linh street, Vinh Yen city, Vinh Phuc province.
- Campus 3: 71, Cong Hoa street, Tan Binh District, Ho Chi Minh city, Vietnam.



Faculty of Radio-Electronics

- One of the two first faculties in the university
- Established in October 28, 1966
- Educating engineers in electronics, communications, and radar & navigation for both military and public service
- Conducting basic and applied research projects

Faculty of Radio-Electronics (cont'd)



- Has 6 departments, 1 research center and 1 practice workshop
- Total of 120 faculty members
- 10 professors, 40 PhD educated in UK, Australia, Russia, Japan, Hungary, China, Poland
- 20 members doing PhD in overseas universities
- 30 PhD students



Departments

- Department of Microelectronics
- Department of Radio Engineering
- Department of Circuits and Signal Processing
- Department of Communication Engineering
- Department of Electromagnetic Theory
- Department of Radar and Navigation



Education programs

- 2 PhD programs
 - 10 students/year
- 4 master programs (coursework and research)
 - 90 students/year
- 8 bachelor programs (applied)
 - 600 students/year



Research areas

- Information theory
 - Signal design, iterative decode, network coding
- Wireless communication
 - Equalization, signal detection, interference cancellation, MIMO optimization, cooperative communications, adaptive arrays
- Microwave and antenna designs
 - Microstrip and patch antennas, antenna design for handheld terminal, microwave circuits
- Signal processing
 - Speech processing, signal processing for radar and



Possible collaborations

- Setting up bilateral research projects funded by two governments
- Doing joint research projects, co-writing papers
- PhD student program

Some photos of FRE





Thank you

<http://fre.mta.edu.vn>