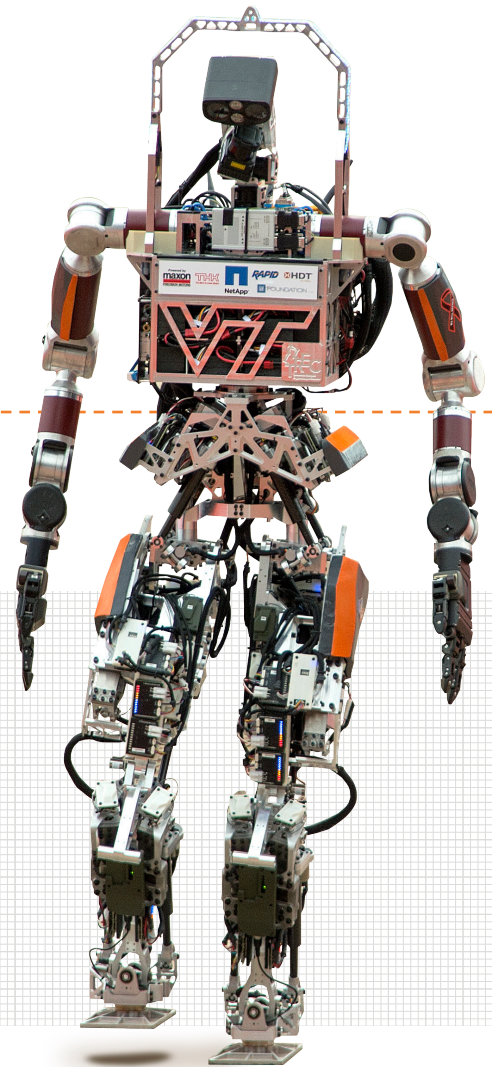# EXPERIMENTAL
ROBOTICS
SUMMER PROGRAM

In this innovative, hands-on program, you will **design**, **build**, **program**, and **test** your own autonomous robots.

> **WHEN:** June 29-July 28, 2019

> **WHERE:** Virginia Tech campus, Blacksburg, Virginia

> **WHO:** Any student ages 16-18 may apply

> **COST:** $12,500, plus $160 application fee

Challenge yourself with a real university experience.

In this rigorous four-week program, you will live on the Virginia Tech campus, take daily classes on a wide variety of fascinating topics, and explore the region with other bright and ambitious students from around the world.

You will also take part in workshops designed to promote **ENTREPRENEURSHIP** and develop **LEADERSHIP SKILLS**.

In addition, you will **IMPROVE YOUR ENGLISH** with daily language training tailored to your needs. These classes will help strengthen your grammar, listening, speaking, reading, and writing skills.

You'll also explore the Virginia Tech campus and take part in **FIELD TRIPS** and **CULTURAL ACTIVITIES** around the region.

Study at Virginia Tech's renowned Computational Multiphysics Systems Lab

■ Introduction to Autonomous Robots

■ Robot Design and Programming

■ Human-Machine Interface for Autonomous Robots

■ Autonomous Robot Integration Performance Evaluation of Autonomous Robots

VIRGINIA TECH™

FOR MORE INFORMATION

Monica Yuan Wang
Qingdao Damei Education Group
23 Hongkong East Road Qingdao
Shandong, China 266071
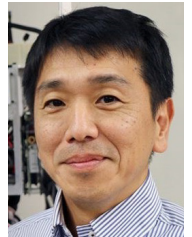Tel: +86 532 688 7276
Email: monicaqd@126.com

Wafa Al-Daily
Virginia Tech Language and Culture Institute
840 University City Blvd.
Blacksburg, VA 24061 USA
Tel: +1 540-231-4957
Email: waldaily@vt.edu

VIRGINIA TECH™

EXPERIMENTAL ROBOTICS SUMMER PROGRAM

LEARN FROM ONE OF THE WORLD'S LEADING ROBOTICS EXPERTS

You will study at Virginia Tech's **COMPUTATIONAL MULTIPHYSICS SYSTEMS LABORATORY**, one of just two such labs in the world. It has designed and developed a wide range of autonomous robots, from drones to humanoid robots.

The group is led by Tomonari Furukawa, a professor in the Department of Mechanical Engineering. He is one of the few researchers in the world who specializes in the integration of robotics and computational mechanics. He has led teams in several international competitions, including the Defense Advanced Research Projects Agency (DARPA) Robotics Challenge in 2015 and the Mohamed Bin Zayed International Robotics Challenge in 2017.

DR. TOMONARI FURUKAWA

DEVELOP ENTREPRENEURSHIP AND LEADERSHIP SKILLS

The program features eight workshops designed to help you identify business opportunities and become an effective leader.

- Do You Have What It Takes to Be an Entrepreneur?
- Young Entrepreneurs
- Entrepreneurship Education and Enterprise Development
- The Startup Experience Process
- Self-Discipline and Self-Awareness
- Performance and Team Building
- Leadership and Identity
- Motivation and Effective Communication

HOUSING AND MEALS

All students will live on the Virginia Tech campus. The program includes all meals at the university's dining facilities.

ADDITIONAL EXPENSES

All participants are responsible for obtaining their own visas and arranging their own travel to Virginia Tech.

ON THE WEB

LCI.VT.EDU/ROBOTICS