

# George P. Kontoudis

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## EDUCATION

### VIRGINIA TECH

**PHD IN MECHANICAL ENGINEERING**  
Present | Blacksburg, VA, USA  
Robotics & Control  
GPA: 4.0 / 4.0

### NTU ATHENS

**DIPLOMA (MSc) IN MECHANICAL ENG.**  
March 2016 | Athens, Greece  
Mechanical Design & Control  
GPA: 7.76 / 10 (top 20%)

### PIRAEUS UOAS

**BSc IN MECHANICAL ENGINEERING**  
October 2010 | Piraeus, Greece

## AWARDS

Thomaideio Foundation Award, 2016  
Hackaday Prize, 2<sup>nd</sup> Place, 2015  
Robotdalen Innovation Award, 2015  
IEEE/RAS Student Travel Award, 2015

## COURSEWORK

### VIRGINIA TECH

Advanced Experimental Robotics  
Optimization Techniques

### NTUA

Intelligent Control Syst. & Robotics  
Microprocessors Based Control  
Biomechanics & Biomedical Eng.  
Control Syst. & Machine Regulation  
Computer Methods in Structures  
Hydraulics & Pneumatic Systems  
Machine Elements

## SKILLS

### OS:

Linux • ROS • Windows

### SOFTWARE:

SolidWorks • AutoCAD • ANSYS •  
Slic3r • PSpice • Cura

### PROGRAMMING:

MATLAB • Python • C •  $\LaTeX$  • HTML/CSS

### OTHER:

3D Printing • Laser Cutting • Welding

## RESEARCH EXPERIENCE

### CMS LAB | RESEARCH ASSISTANT

Aug 2016 – Present | Virginia Tech, Athens, Greece  
Working on my Ph.D. under the guidance of Prof. Tomonari Furukawa

### THE OPENBIONICS | RESEARCH ASSOCIATE

Sep 2014 – Present | Athens, Greece  
Design & development of underactuated, anthropomorphic robot hands.

### CONTROL SYSTEMS LABORATORY | RESEARCH ASSISTANT

April 2014 – March 2016 | NTUA, Athens, Greece  
Conducted my diploma thesis under the guidance of Prof. Kostas Kyriakopoulos and Prof. Minas Liarokapis.

## TEACHING EXPERIENCE

### VIRGINIA TECH | GRADUATE TEACHING ASSISTANT

Aug 2016 – Present | Blacksburg, VA, USA  
Provide assistance to ME4006 Mechanical Engineering Lab.

## PUBLICATIONS

Complete list can be found at my [Google Scholar](#) profile.

- 1 Refereed Conference Paper (IROS)
- 2 Technical Reports
- 1 Diploma Thesis

## PROFESSIONAL EXPERIENCE

### HELIIX INC. | SENIOR MECHANICAL ENGINEER

March 2016 – June 2016 | Athens, Greece

### SYCHEM S.A. | SITE SUPERVISOR

Sep 2013 – August 2015 | Athens, Greece

### SYCHEM S.A. | MECHANICAL ENGINEER

Oct 2010 – Sep 2013 | Athens, Greece

### OLYMPIC AVIATION S.A. | AIRCRAFT ENGINEER TRAINEE

May 2008 – Jan 2010 | Athens, Greece

## SERVICE ACTIVITIES

### THE OPENBIONICS | MEMBER

Sep 2014 – present  
Open-source initiative.

### IJARS | REVIEWER

Dec 2015 – present  
International Journal of Advanced Robotic Systems, InTech.

## MEMBERSHIPS

ASME, Student Member, 2016

IEEE, Student Member, 2015