PH.D. FELLOWSHIP IN MACHINE LEARNING & ARTIFICIAL INTELLIGENCE

Rowan University
HENRY M. ROWAN
COLLEGE OF ENGINEERING

U.S. Department of Education

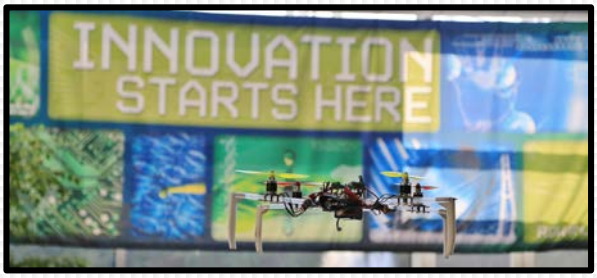
Henry M. Rowan College of Engineering and Department of Electrical and Computer Engineering are pleased to announce new Ph.D. fellowships in artificial intelligence (AI) and machine learning (ML), supported by the US Dept. of Education's *Graduate Assistance in Areas of National Need* (*GAANN*) program. We invite qualified students to apply to become *GAANN Fellows*.

GENEROUS FUNDING

- $34K/year stipend
- Full tuition + fee waiver
- Travel support & allowance to cover professional expenses

PROGRAM HIGHLIGHTS - PROFESSIONAL TRAINING

- Conduct cutting-edge AI/ML research in a flexible Ph.D. program that provides you with both fundamental and applied training
- Diverse field of applications to choose from: energy to virtual and augmented reality, cybersecurity to cheminformatics, aviation to biometrics, robotics to radiomics to big data analytics and beyond
- Over 150 courses to choose from across several departments and colleges
- Dedicated, award winning faculty with expertise in a wide spectrum of AI / ML and related fields
- Complete professional preparation, not just in technical areas, but also critical skills of public speaking, entrepreneurial thinking, strategic technical writing for publications and grant proposals.



ELIGIBILITY & APPLICATION

- US citizens, nationals, permanent residents
- B.S. or M.S. in engineering or a related discipline
- Send CV and cover letter describing your background and research interests to prepare.ai.gaann@rowan.edu.

ABOUT ROWAN AND LOCATION

Rowan University is a comprehensive, public research university with over 19,000 students. Rowan is located in Glassboro, NJ, which affords all the conveniences of a quintessential college town. For big city amenities, downtown Philadelphia is only 20 minutes away.

For additional information and pre-application contact : prepare.ai.gaann@rowan.edu
Electrical & Computer Engineering: www.rowan.edu/ece

ECE Graduate Level Classes

- ECE 09.504: Special Topics in Electrical and Computer Eng. ♦
- ECE 09.509: Virtual Reality Systems
- ECE 09.521: Fundamentals in Systems Engineering
- ECE 09.523: Advanced Radar Systems
- ECE 09.524: Advanced War Gaming and C4ISR
- ECE 09.525: Advanced Command and Control
- ECE 09.526: Advanced Weapon Systems
- ECE 09.531: Advanced Optical Fiber Communications
- ECE 09.551: Digital Signal Processing
- ECE 09.552: Digital Image Processing
- ECE 09.553: Digital Speech Processing
- ECE 09.554: Theory and Engineering Application of Wavelets
- ECE 09.555: Advanced Topics in Pattern Recognition / Machine Learning
- ECE 09.556: Advanced Embedded Software Design
- ECE 09.560: Artificial Neural Networks
- ECE 09.566: Advanced Topics in Systems, Devices and Algorithms in Bioinformatics
- ECE 09.568: Discrete Event Systems
- ECE 09.569: System-on-Chip Verification
- ECE 09.571: Instrumentation
- ECE 09.572: Advanced Smart Grid
- ECE 09.573: Advanced Smart Sensors
- ECE 09.582: Memristors and Nanoelectronic VLSI
- ECE 09.585: Advanced Engineering Cyber Security
- ECE 09.586: Adv. Portable Platform Development
- ECE 09.590: Adv. Emerging Topics in Computer Engineering ♦
- ECE 09.595: Adv. Emerging Topics in Comp. Intelligence & Machine Learning (Deep Learning) ♦
- ECE 09.651: Estimation and Detection Theory
- ECE 09.655: Advanced Computational Intelligence and Machine Learning
- ECE 09.704: Special Topics for Doctoral Students ♦
- ENGR 01.510: Finite Element Analysis
- ENGR 01.511: Engineering Optimization
- ENGR 01.598/599: Graduate Research / Master's Thesis Research
- ENGR 01.600: ToughTalk: Graduate Seminar
- ENGR 01.701: Effective Teaching in Academic, Corporate, and Government Settings
- ENGR 01.702: Strategic Technical Writing and Winning Grant Proposals
- ENGR 01.799: Doctoral Research and Dissertation
- Coming soon: Internet of Things

Not all classes are offered every year, whereas additional classes are taught every semester as special and emerging topics (indicated with ♦), whose content are drawn from new, emerging, contemporary topics. Appropriate graduate courses from other departments, such as Mathematics, Computer Science, Physics as well as other Engineering Departments are also available and may be taken in consultation with your advisor. Please contact us if you have questions about a specific class or program of study.

Rowan University: www.rowan.edu , Electrical & Computer Engineering: www.rowan.edu/ece
Dr. Nidhal Bouaynaya, Grad. Coordinator–bouaynaya@rowan.edu , Dr. Robi Polikar, Dept. Head – polikar@rowan.edu