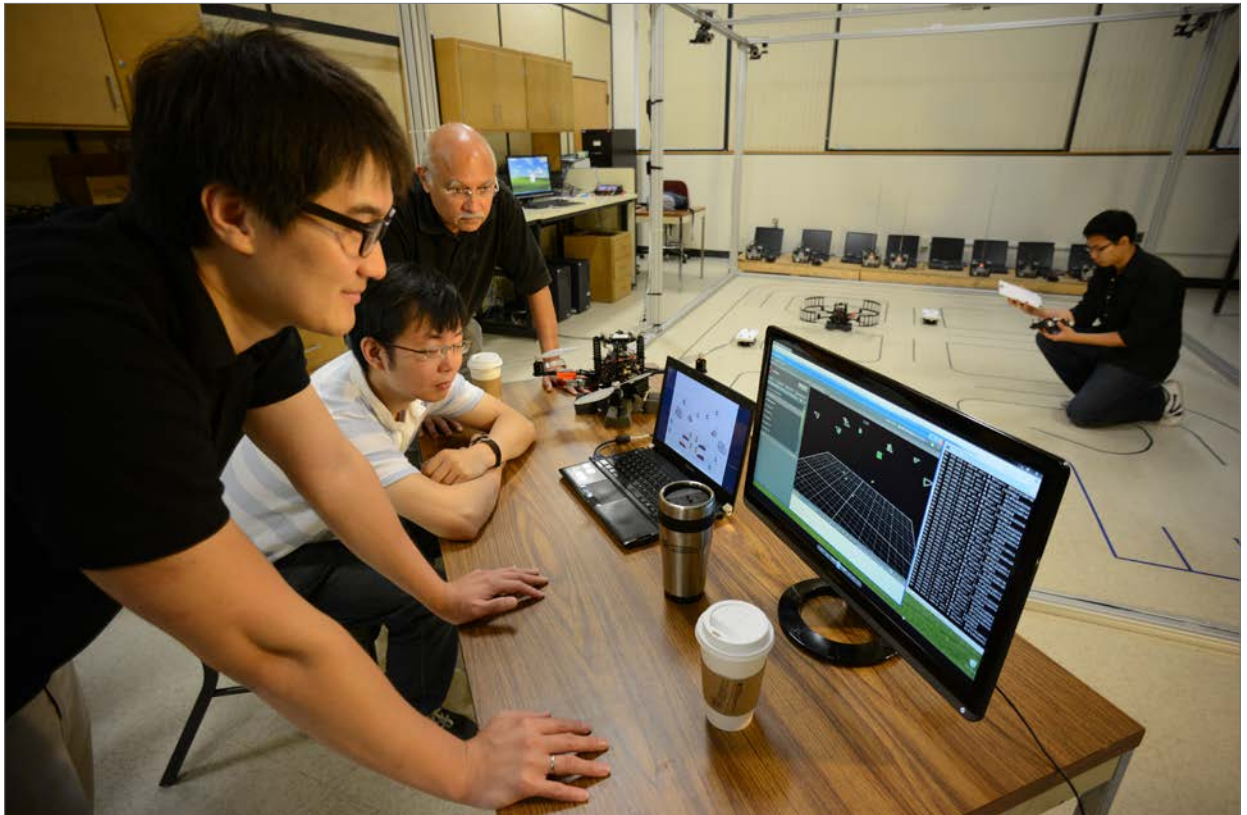




PRODUCTIVITY
DASHBOARD

Impact Story



Dr. P. R. Kumar has been working on the emerging area of Cyber-Physical Systems, which are the “are the next generation of engineered systems in which computing, communication, and control technologies are tightly integrated.” Kumar’s research involves vehicle collision-avoidance systems based largely on his research in the field of wireless networks. Traditional networks that can only share information that has already been captured and stored, may soon be replaced by “embedded sensor networks,” which allow real-time information to be communicated instantly. In applications, this technology would allow, for example, vehicles to communicate with one another to monitor their speed and position.

<http://bit.ly/1UeiTuX>



Impact

- 1 Nobel Laureate (deceased)
- 4 National Academy of Engineering members
- 1 National Academy of Science member
- 28 National and international level awards
- 37 Fellow grades in professional societies
- 7 Authored adapted textbooks
- 133 PhDs in academia (50% in US Institutions)

Productivity

- Rankings
Graduate – 11th
Undergraduate – 8th
(Source: U.S. News & World Report)
- 261 Refereed journal papers (2016)
- 268 Selective conference papers (2016)
- 24 Young Investigator awards (since 2003)

(NSF CAREER, Air Force, Navy, DARPA, and

STUDENT ENROLLMENT (Department of Electrical and Computer Engineering)			
	Undergrad	Grad	Total
Fall 2015	907	736	1643
Fall 2014	712	724	1436
Fall 2013	1129	623	1752
Fall 2012	1064	563	1627
Fall 2011	851	516	1271

- Number of graduates (FY15)
BS – 150
MS – 66
PhD – 14

- Occupied Endowed Positions
Chairs – 7
Professorships – 14
Faculty Fellows – 4

Service

- 117 Editorships and editorial board memberships
- 97 Memberships in professional society committees

Diversity

- Faculty (Fall 2015)
Male – 90%
Female – 10%
Hispanic – 8%
African-American-1%
White – 47%
Asian – 44%

- Staff (Fall 2015)
Male – 56%
Female – 44%
Hispanic – 9%
White – 73%
Asian – 18%

- Departmental External Advisory Committees (Fall 2015)
Male – 94%
Female – 6%
Hispanic – 10%
White – 90%

STUDENT DIVERSITY (Department of Electrical and Computer Engineering)		
	Undergraduate	Graduate
Female	14%	17%
Hispanic	16%	3%
African-American	2%	1%
Asian	12%	4%
International	7%	83%