BY THE NUMBERS

**FACULTY**
- 85 Faculty Members
  - 41 Tenure-Track
  - 29 Research Faculty
  - 15 Teaching Faculty

**STUDENTS**
- 4,845 Students
  - 1,429 Undergraduate
  - 3,102 Master’s
  - 314 Ph.D.

**ACADEMY MEMBERS & SOCIETY FELLOWS**
- 1 ACM Turing Award Winner
- 5 NAE
- 2 NAS
- 11 ACM
- 17 IEEE
- 15 AAAI
- 11 ASSA

**MAKING AN IMPACT - INNOVATION FOR HUMANITY**

**NEWS HIGHLIGHTS**

- **USC Games established the Gerald A. Lawson Endowment Fund, supporting Black and indigenous students**
- Trojans celebrated the groundbreaking of a new building for computer science at USC, a 116,000-square-foot facility focused on improving and benefiting society
- **USC computer science researchers are collaborating in new $20M NSF Institute to tackle tough challenges, such as food security, using AI and mathematics**
- The newly launched USC Center for Autonomy and AI will bring together researchers across USC Viterbi to work on projects including autonomous robotic systems and autonomous vehicle safety

**ONGOING RESEARCH - $7 MILLION RESEARCH EXPENDITURES (FY 20-21)**

- **Synthesis of Quantitative Network Analytics: From Left-of-Launch to Right-of-Boom**
  - PIs: Mukund Raghothaman, Jyo Deshmukh, Srivatsan Ravi, Michael Collins (ISI)
  - National Science Foundation: $750,000
- **NeuroDB: A Neural Network Framework for Efficiently Answering Database Queries Approximately**
  - PI: Cyrus Shahabi
  - National Science Foundation: $500,000
- **Detecting and Repairing Accessibility Failures in Web Applications**
  - PI: William Halfond
  - National Science Foundation: $495,774
- **Improving Human-Robot Collaboration on Assembly Tasks by Anticipating Human Actions**
  - PIs: Stefanos Nikolaidis (Computer Science), SK Gupta ( Aerospace and Mechanical Engineering)
  - National Science Foundation: $749,693
- **Network-Enabled Cooperative Perception for Future Autonomous Vehicles**
  - PI: Ramesh Govindan
  - National Science Foundation: $606,617

**NOTABLE ACHIEVEMENTS**

- **#1**
  - Top game design program for undergraduates awarded to USC Games, Princeton Review
- **10th**
  - In the world based on publications, Guide2Research
- **#2**
  - Online computer science graduate program, US News and World Report
- **82%**
  - Increase in student population since 2015
- **21**
  - NSF CAREER awards held by current faculty

**EXPANDING EXPERTISE: FOUR NEW FACULTY MEMBERS**

- **ROBIN JIA**
  - Ph.D. Stanford University
  - Natural language processing, robustness, machine learning
- **JESSE THOMASON**
  - Ph.D. University of Texas at Austin
  - Language grounding and natural language processing for robotics
- **VATSAL SHARAN**
  - Ph.D. Stanford University
  - Machine learning, statistics, theoretical computer science
- **SWABHA SWAYAMDIPTA**
  - Ph.D. Carnegie Mellon
  - Biases and interpretability in natural language processing (starting August 2022)

**ACCOLADES 20-21**

**NSF CAREER AWARD**
- Aleksandra Korolova, Haipeng Luo, Heather Culbertson, Jyo Deshmukh, Xiang Ren

**ACM DISTINGUISHED MEMBERS**
- Jernej Barbic, Yan Liu

**AAAS FELLOWS**
- Yolanda Gil, Leana Golubchik

**IEEE FELLOWS**
- Sven Koenig, Maja Matarić, Michael Zyda

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**ACCOMPLISHMENTS 20-21**

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