Empowering People Through Human-Centered Technologies

Researchers at Georgia Tech are pursuing innovative new ideas to improve human life on a global scale. Through our commitment to fostering an interdisciplinary and collaborative environment, we are at the forefront of solving today’s scientific, social, and economic grand challenges.

The Institute for People and Technology (IPaT) connects industry, government, and non-profit leaders with Georgia Tech researchers to maximize the societal impact of the Institute’s research in Health, Media, Human-Centered Design, Humanitarian Systems, and Enterprise Transformation. Through our unique approach, researchers come from all six Georgia Tech colleges as well as the Tennenbaum Institute, the Convergence Innovation Institute, and the Office of Information Technology.

IPaT Researchers
With nearly 200 academic and applied researchers, IPaT represents a diverse set of academic disciplines. Our researchers come from all 6 Georgia Tech colleges as well as the Tennenbaum Institute, the Office of Information Technology, and the Convergence Innovation Institute.

Students
Hundreds of bright, talented Georgia Tech students are at the heart of many IPaT projects, including: IPaT’s Living Labs, the GT Journey Initiative, and the Convergence Innovation Competition. Each semester, our students share their incredible work with industry, media, and the Atlanta startup community at our extensive research showcases.

Working with Us
Both government and industry engage with Georgia Tech for a variety of purposes—from basic and applied research to licensing and commercialization to recruiting and training—and do so in a variety of ways.

Health Research
IPaT’s health care research brings together expertise of accomplished scholars and clinicians. We work to transform healthcare delivery systems by creating novel and easily accessible health and wellness technologies. IPaT has led new breakthroughs in health information technology approaches for increasing patient engagement and treatment adherence, clinical processes improvements, and new healthcare delivery knowledge.

Education Research
IPaT’s education research focuses on the transformation of education through innovations such as open courses, inverted classroom teaching, and individualized instruction. The spirit of experimentation allows educators and academics to strive for a real-world impact on curriculum, teachers, students, and programs. We research and evaluate a wide range of techniques and approaches to improve STEM education, especially to improve diversity in STEM fields.

Humanitarian Systems Research
IPaT’s work in humanitarian systems is focused on innovative communication and information technologies to aid communities during disaster and crisis situations while also fostering robust communities through everyday engagement. We examine the role of information communications technologies (ICTs) in social and political development, with the goal of building systems that support communities.

Media Research
IPaT’s media research explores new ideas in global media and focuses on shaping the future of content creation, distribution, and consumption. Through this initiative, we work to research and develop technologies such as wearable computing and augmented reality, user experiences to foster creativity, social computing, and AI gaming technologies.

Enterprise Transformation Research
IPaT’s work in enterprise transformation provides a structured approach for understanding the transformation of complex enterprise systems. Through the Tennenbaum Institute, we leverage the wealth of expertise across Georgia Tech colleges and schools, as well as partner institutions, to understand and enable fundamental change of private and public sector enterprises.

Driving Human-Centered Innovation at the CONVERGENCE OF PEOPLE & TECHNOLOGY

The convergence of people, technology, and enterprises is transforming how we live, work, and play. IPaT researchers understand that solving complex problems requires combining the input of diverse groups. At IPaT, interdisciplinary teams of computer scientists, system scientists, and engineers are partnering with psychologists, sociologists, architects, designers, economists, medical professionals, government officials, and others to develop technologies that empower people in all walks of life.