

Xerox Research Center Webster

Turning Inspiration into Critical Customer Assets

Xerox innovation brings together many disciplines and technical competencies. Xerox is unique in this respect in that its research has spanned everything from basic physical sciences, digital imaging, mechanical and electrical engineering through to social science and psychology. Xerox's research and technology centers around the world each provide their own unique perspective.

The Xerox Research Center Webster has a broad charter to explore, incubate and innovate across the spectrum of devices, solutions and services. Internationally recognized for pioneering work in xerography, these labs were founded in 1960 and have provided the technical foundation and intellectual property protection for four generations of Xerox marking engines. More recently, the XRCW has expanded its charter to encompass an integrated, end-to-end view of Xerox products, solutions and services technologies in collaboration with value-chain partners throughout the company.



Research & Technology

As the world has evolved and information is now both viewed and created much more frequently in digital form, XRCW has stayed at the technological forefront our capabilities from the physics, chemistry and engineering of putting “marks-on-paper” and including the areas of digital imaging, distributed systems design, intelligent sensing, knowledge management, autonomic systems, techno-social systems optimization, data mining and data fusion.

Our researchers drive to provide Xerox customers with affordable color products and with services and solutions that help them both simplify and get more value from their document-intensive business processes.

Marking and Printing Systems



XRCW has been the leader for decades in research in the physics, chemistry and engineering of putting “marks-on-paper”. **(Give more materials and xerographic systems examples. Controls, xerographic systems, toner, color characterization, fusing, etc.)**

Digital Communications, Workflows, and Solutions

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Sustainability

At Xerox, sustainability has never been viewed as a cost of doing business, but as a way of doing business. It's an integral part of how we develop products and solutions to serve our customers. Many of our innovations are focused on reducing waste for our customers, improving their energy efficiency, and improving our world.

Contact details:

Xerox Research Center Webster
800 Phillips Road
Webster, NY 14580
XIGWebmaster@xerox.com

Open Innovation and Our Partners

Xerox MIT Fellowship

Funded by a three-year grant through the Xerox Foundation, the Xerox MIT Fellowship program is part of Xerox's ongoing support of open innovation and collaborative research worldwide. The fellowships support Master's and Doctoral degree candidates, focusing on populations traditionally under-represented in engineering, in four focal areas: green, imaging and smart documents, nanotechnology/MEMS, and complex system dynamics. This program is designed to strengthen Xerox researchers' relationships with the world-class faculty of MIT's College of Engineering, and identify outstanding students for possible hire.

University Affairs Committee

The University Affairs Committee (UAC) awards unrestricted grants to selected universities to support collaborative projects sponsored by Xerox employees. The grants promote long-term university interactions that encourage foundation research in areas relevant to Xerox, enhance Xerox's recruiting efforts, and help keep Xerox abreast of emerging technologies. XRCW researchers are involved in many of these projects, with universities including the University of California, Columbia, Cornell, MIT, University of Minnesota, Purdue, and universities around the globe. Building strong networks with academia and industrial partners are a key factor in keeping Xerox at the cutting edge of printing technology and solutions.

Conferences and Publications

XRCW encourages participates researchers to participate in conferences in their areas of expertise. Employees routinely present their work to their peers from around the world at cutting-edge conferences, journal publications. Conference leadership.