

R.I.T.

Chester F. Carlson

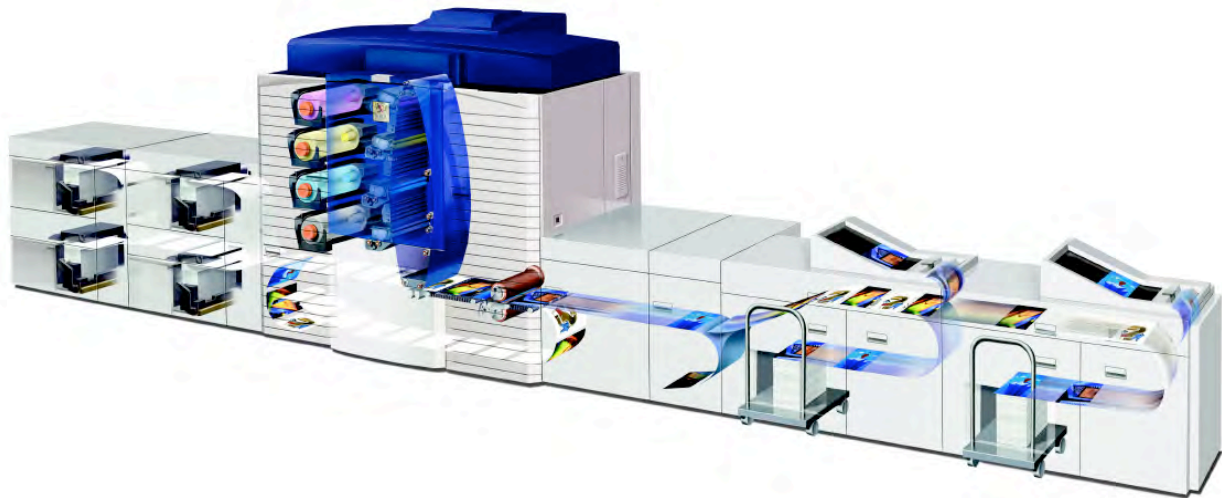
College of Science

Center for **IMAGING** SCIENCE Seminar Series

Imaging Science in Xerox Product Development

Stephen Hoover

Vice President and Head of the Xerox Research Center Webster, Xerox



4pm, Wed., April 2, 2008

Auditorium of the Center for Imaging Science

This presentation will be a sampling of some of the current Imaging Science Research being done across global R&D sites of Xerox. Topics include the easy use and control of color and new forms of customized documents, the use of high bandwidth image processing and control theory to delivery high speed and consistent high quality printing, adding security features to documents through Specialty Imaging as opposed to expensive materials, and the extraction and of information from paper documents to smart automated workflows and services.

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Abstract

Imaging Science has always been a core part of Xerox Products and started with the early days of light lens xerography by Chester Carlson, for whom the Imaging Science building at RIT is named. Over the years the focus of the Imaging Science Research has changed to drive new business opportunities. The transitions from light lens to digital, from black and white to color, from copier to printer, and now from Products & Devices to Solutions and Services have all been supported by innovations in Imaging Science.

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Speaker Bio

Dr. Stephen P. Hoover is vice president and center manager of the Xerox Research Center Webster for Xerox Corporation. He was named to this position February 2006.

Hoover is responsible for the operations management of XRCW, one of the four Xerox research and technology centers around the world. In that role he is responsible for research and technology in software, solutions, imaging, cross-media technologies and marking processes and hardware that leads and supports Xerox's strategy for printing, publishing, multi-function systems, controllers, workflow and services.

Prior to this, Hoover was vice president of marking platforms within the Xerox Engineering Center where he lead the incubation of multiple new product releases and built a strong shared competency in the incubation of both office and production platforms. Previous to that, Hoover led the development of several new marking platform architectures, the development of web services based remote service strategies and technologies , radical new technologies that integrate the technologies of imaging, controls and marking as well as a new marking systems architecture paradigm. He has been a key contributor to xerographic process development and systems engineering for the early Xerox iGen3 Production Systems prototypes, to mechatronics systems development for electronic registration and to smart media handling technologies. He holds multiple patents across these domains and is an accomplished speaker in the areas of customer driven innovation and interdisciplinary systems solutions to challenging technical problems.

Hoover received his bachelor's degree from Cornell University and masters and Ph.D. degrees from Carnegie Mellon University.