

# Control Systems Engineer



## Xerox Corporation

The Joseph C. Wilson Center for Research and Technology  
Webster, N.Y.

We are currently seeking outstanding and highly motivated candidates to join the Xerox Wilson Center for Research and Technology to apply systems and controls principles in the design and development of marking devices. The successful candidate will participate on teams using state-of-the-art tools and methodologies to integrate the latest advances in controls, electronics, mechanical, manufacturing and software sciences in printer architectures. The expectation will be to work closely with other Xerox research and development groups to generate and bring technologies to products. Essential functions will include applying control-oriented principles to increase printer reliability, improve image quality performance, and lower total cost of ownership.

The highly qualified candidate will have a strong interest and background in control analysis and design, system identification, system modeling and simulation, algorithm development and performance demonstration. It is highly desired that the individual has laboratory experience involving experimental design, data acquisition, and controller implementation. The individual should also have experience with constructing control-oriented models of complex, multiple-input multiple output systems, where the underlying physics may not be well understood. Areas of interest may include: stabilization of multivariable, nonlinear systems with parameter variation and noise; adaptive control of multivariable, nonlinear systems; and distributed control of dynamic, spatially varying systems.

The successful candidate will have an M.S. and/or Ph.D. degree in aerospace, electrical, or mechanical engineering with the background of control systems analysis and design. Experience with Matlab/Simulink or equivalent system modeling and simulation software required. Experience in statistical tools, data mining techniques, rapid control prototyping environment is a plus. The candidate should possess the ability to quickly gather information and come up to speed in an ever-changing technology area. As the candidate will eventually be expected to lead technical projects, excellent interpersonal and communication skills are necessary for success in the position. Women and minority candidates are particularly encouraged to apply.

To apply, send resume (email submission preferred) and any additional information to:

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Xerox is an affirmative action, equal opportunity employer.