

Xerox advances innovation in printed intelligence

The Xerox Research Centre of Canada (XRCC) to share the possibilities of printed intelligence at IDTechEx's Printed Electronics USA

SANTA Clara, CA, November 14, 2018 – The future of printing is functional.

“We are already seeing applications of active functional inks that change color or structure, depending on environmental factors,” says Lawrence Lee, Vice President, Incubation and Strategy, Xerox. “With early prototypes of [printed electronics](#) that enable sensing and monitoring, we are on our way to realizing a printed and hybrid electronics ecosystem. This includes software that will simplify electronics design, and digital manufacturing systems that will produce a variety of sensors, circuits, memory, communications and power options on flexible, low-cost smart tags, or that will print them directly onto products and packaging.”

As [Xerox Corporation's](#) global materials research and development centre, the [Xerox Research Centre of Canada](#) (XRCC) is a pioneer in the design and manufacturing of electronic materials and has helped to shape the printed electronics landscape we see unfolding today.

With a robust portfolio of printed electronic materials and technologies, designed for a variety of applications, XRCC scientists will be on hand at [Printed Electronics USA](#) to demonstrate innovations that include capacitive touch sensors and near-field communication (NFC) signal extenders. The complex technologies powering these prototypes have potential use in the areas of retail, smart packaging, and asset tracking, to name just a few.

One application for these types of materials and technologies is in smart objects for everyday life. XRCC Senior Scientist and Project Leader, Dr. Sarah Vella says printed electronics have a tremendous opportunity to impact this growing market, but the application presents some challenges.

“We know the benefits printed and hybrid electronics bring to the design of smart objects, but the road to printed intelligence isn't always easy,” says Vella, a presenter at this year's show. “Understanding the materials, how they interact and how to integrate them into functional devices – those are just some of the problems we tackle and aim to overcome at the XRCC.”

“It’s never been about just creating new materials,” says Dr. Matt Heuft, Business Development Manager for XRCC. “These prototypes are examples of what our innovations can do. The hope is that they inspire what’s possible and, with our help, enable others to turn their printed electronics ideas into products that are ready for the market.”

Dr. Sarah Vella will be presenting, *From Materials to Integrated Devices: The Road to Printed Intelligence*, on Thursday, November 15th in Grand Ballroom G. To learn more about Xerox printed electronics, visit us at booth J22.

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About the Xerox Research Centre of Canada

The Xerox Research Centre of Canada (XRCC) is the global materials research and development centre for Xerox Corporation (NYSE: XRX). As one of two world-renowned Xerox research facilities, we have a 40-year history of taking materials from concept through to commercialization in a highly competitive technology environment. With end-to-end advanced materials capabilities, including design, synthesis, formulation, prototyping, performance evaluation and scale-up engineering, we aim to accelerate the commercialization of innovations while mitigating technical risks. XRCC is a pioneer in the design and manufacturing of electronic materials and offers a portfolio of electronic and specialty material products, with industry benchmark performance, backed by our history of materials commercialization success.

About Xerox

Xerox Corporation (NYSE: XRX) is a [technology](#) leader that innovates the way the world [communicates, connects and works](#). We understand what’s at the heart of sharing information – and all of the forms it can take. We embrace the integration of paper and digital, the increasing requirement for mobility, and the need for seamless integration between work and personal worlds. Every day, our innovative print technologies and intelligent work solutions help people communicate and work better. Discover more at www.xerox.com and follow us on Twitter at [@Xerox](#).

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For more information and media requests, please contact:

John Quinn, john.quinn@xerox.com, +1-416-733-6828

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Xerox Research Centre
of Canada

2660 Speakman Drive,
Mississauga, ON
L5K 2L1

t +1-905-823-7091

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