

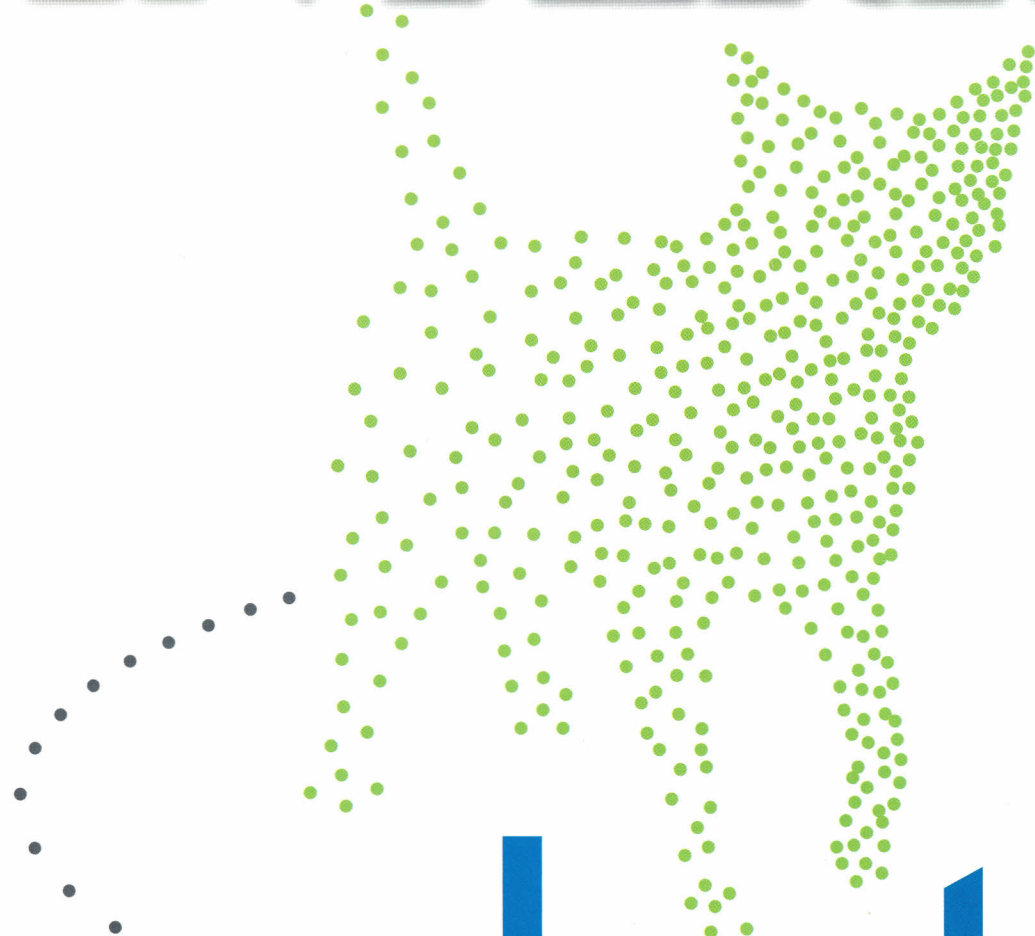
INTERFACE

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Fall-Winter 2012



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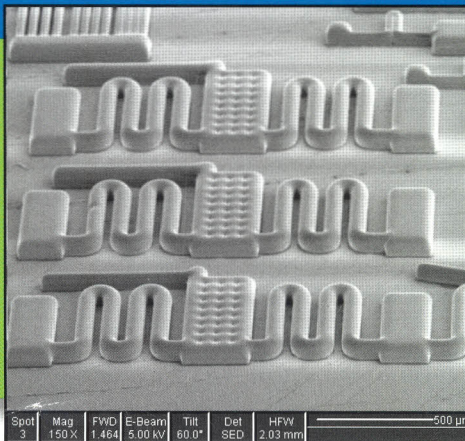


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SPECIAL ISSUE ON...

**Conducting
Polymers
and Their
Applications**



Spot	Mag	FWD	E-Beam	Tilt	Det	HFV	
3	150X	1.464	5.00 kV	60.0°	SED	2.03 mm	500 μm

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61 Conducting Polymers and Their Applications

by Peter J. Hesketh and Durga Misra

63 Novel MEMS Devices Based on Conductive Polymers

by Seiichi Takamatsu and Toshihiro Itoh

67 Nanoparticle-doped Electrically-conducting Polymers for Flexible Nano-Micro Systems

by Ajit Khosla

71 Electrochemical Assay of GSTP1-related DNA Sequence for Prostrate Cancer Screening

by Amir H. Saheb, Michelle Leon, and Mira Josowicz

NOTE TO OUR READERS...

Hurricane "Sandy" took its toll on the ECS Headquarters this past fall. Because of major power outages and the closing of the ECS offices for a week, the fall and winter issues of *Interface* will be published together as Volume 21, Numbers 3 & 4. We apologize for any inconvenience this may cause our readers.

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On the cover...

This combined issue of Interface celebrates the launch of the Society's exciting new project, Redcat. The issue also features the world of conducting polymers. The image, from the article by Ajit Khosla (see page 67), is an SEM micrograph of electrically-conducting and soft magnetic nickel PDMS nanocomposite bridges.