

Invited talk  
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**Magnetism and Spin Transport in Nanostructured Materials:  
Research in the Low-Dimensional Materials by Design Group at ORNL\***

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Abstract:

This presentation will describe recent experimental and theoretical advances in magnetism in the Low-Dimensional Materials by Design Group of the Condensed Matter Sciences Division of Oak Ridge National Laboratory. I will describe work on artificially tailored magnetic dots, wires, and films in the first part and MBE grown dilute magnetic semiconductors in the second part.

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