

# Mini-Workshop on Spin Pumping in Magnetic Heterostructures

June 4, 2015  
Smith Seminar Room  
Physics Research Building

	Speaker	Presentation Title
10:00 – 10:45	<b>Paul Crowell</b> U. Minnesota	FMR in ferromagnet/semiconductor heterostructures
10:45 – 11:00	Discussion	
11:00 – 11:45	<b>Michael Flatté</b> U. Iowa	Influencing spin and charge transport in a semiconductor with dynamic domains in a neighboring magnet
11:45 – 12:00	Discussion	
12:00 – 12:30	Lunch Break (Pizza)	
12:30 – 1:00	<b>Ezekiel Johnston-Halperin</b> Ohio State	FMR-driven spin pumping into defect states in an MOS tunnel diode
1:00 – 1:10	Discussion	
1:10 – 1:40	<b>Fengyuan Yang</b> Ohio State	FMR spin pumping in metals and insulators
1:40 – 1:50	Discussion	
1:50 – 2:20	<b>Chris Hammel</b> Ohio State	Angular momentum transfer in novel settings: Localized modes and broadband optical detection of FMR using diamond
2:20 – 2:30	Discussion and Closing	

Spin pumping, the generation of spin current by dynamic magnetization, is one of the most active areas of spintronics. In this mini-workshop, we bring together some of the leading experts to present their recent results on spin pumping, as well as discuss one of the subtle but important questions within the field: *When are spin pumping signals real, and how are they distinguished from spurious signals?*

Please join us in learning more about this fascinating topic.

Host: Roland Kawakami

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