

Solid State Seminars (S³) 2005 (<http://www.nd.edu/~ndnano/seminars.html>)

University of Notre Dame

Dates: 12:30 – 1:30, Tuesdays

Location: Fitzpatrick 356

The solid state seminar series this year comprises of talks spanning a wide range of topics in electronic and optical materials, devices, and nanoscience and technology. Speakers are drawn from various universities, research laboratories, and industry. The speaker list, and seminar topics will be updated as the semester progresses.

Senior graduate students might want to meet and talk to the speakers for possible career opportunities (jobs, post doctoral positions, etc).

No.	Date	Speaker	Affiliation	Topic
1.	Jan 11	Introduction		Introduction / Plan
2.	Jan 18	Randy Feenstra	CMU	IBM Lecture/FTZ 258
3.	Jan 25	Agnes Ostafin	ND-CHEM ENG	Nanoshell particles: synthesis and applications
4.	Feb 01	Qin Zhang	Seabaugh group	Tunneling transistors - can they beat the MOSFET subthreshold-swing of 60 mV/decade
5.	Feb 08	Marya Lieberman	Notre Dame	Top down meets bottom up (surface functionalization, DNA tile etc.)
6.	Feb 15	Orlando Auciello	Argonne (ANL)	Artificial Retina
7.	Feb 22	Xiang Li (?)	Fay group	InAlP/GaAs MOSFETs
8.	Mar 01	Leonid Rokhinson	Purdue University	Electron Transport in Mesoscopic Systems
9.	Mar 15	Alexander Cartwright	SUNY Buffalo	Spectroscopy of III-V nitride heterostructures
10.	Mar 22	Ilesanmi Adesida	UIUC	High speed transistors
11.	Mar 29	Alexander Zaslavsky	Brown Univ.	Interband Tunneling Transistors
12.	Apr 05	Zhenyu Zhang	Oak Ridge (ORNL)	Computational material engineering in epitaxy growth
13.	Apr 12	Daniel Green	RFMD (Industry)	AlGaIn/GaN HEMTs
14.	Apr 19	Michael Frank	Florida State	Reversible CMOS
15.	Apr 26			Wrap up

Taking this seminar series for credit –If you are interested in registering in the course for 1 credit hour, please sign up for EE 502 on IrishLink. Graduate students in EMD are *strongly encouraged* to do so.

Everyone is invited to attend the seminars and ask questions to the speakers.