

Acknowledgements:

*The Research Roundtable organizational committee would like to
thank our sponsors:*

Purdue Society of Professional Engineers

Tau Beta Pi

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PESC

*A special thanks to all of the of the Purdue research groups for coming
to the event as well as the following outside groups:*

University of Chicago

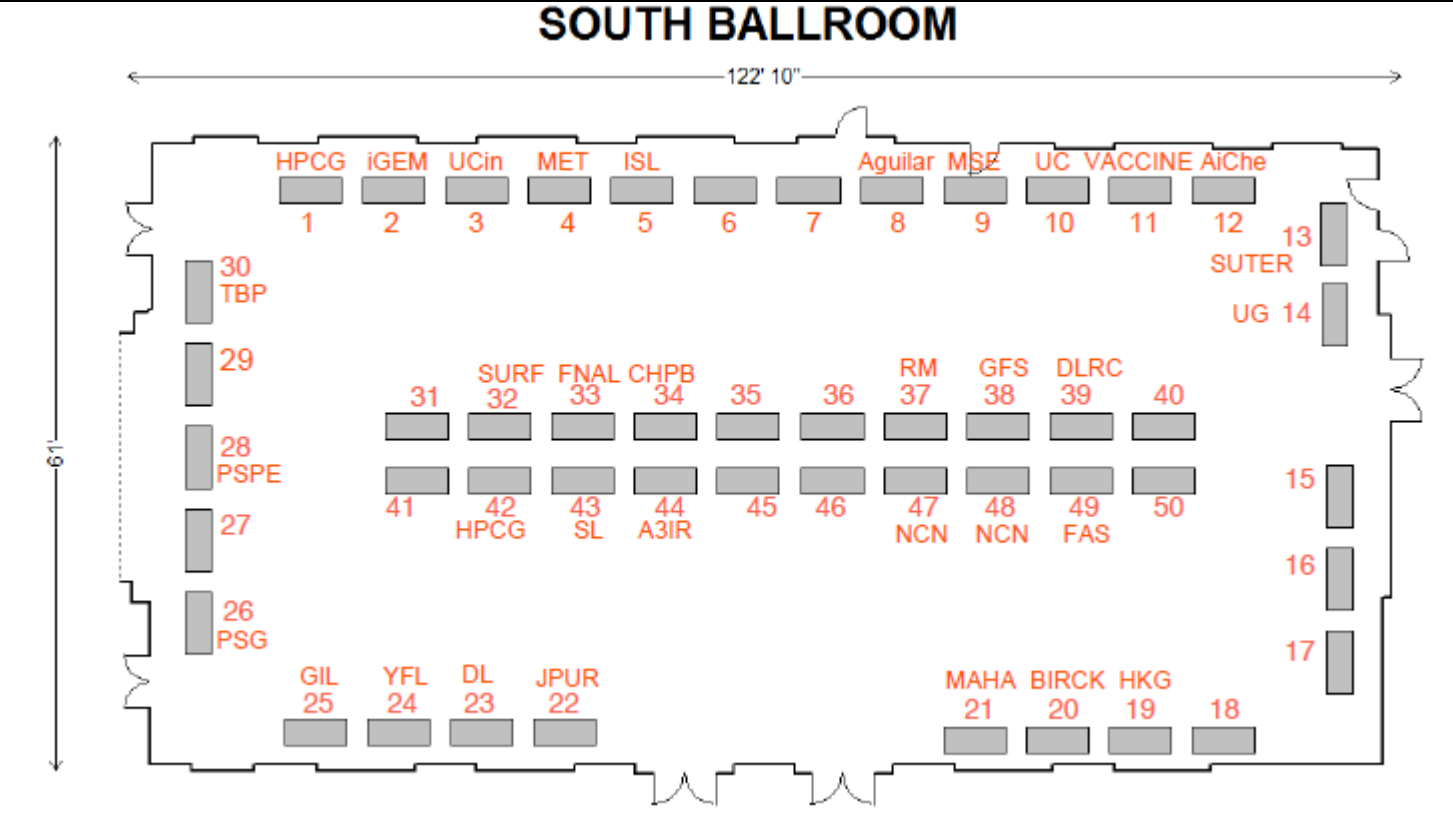
University of Cincinnati

IUPUI

Research Roundtable



11.11.14 • Purdue Union South Ballroom • 9:00 am-4:00 pm



Abbreviation	Group	Abbreviation	Group	Abbreviation	Group
HPCG	High Performance Com-puter Graphics Lab.	UG	Undergrad Expert Table	SURF	SURF Program
iGEM	The Purdue iGEM Team	HKG	Hilkka Kenttamaa Group	FNAL	Fermilab Nat'l Accel-erator Lab
UCin	University of Cincinnati	BIRCK	Birck Nanotechnology Cen-ter	CHPB	Center for High Per-formance Buildign
MET	MET Fluid Power Lab	MAHA	MAHA Fluid Power Research	RM	Regenerative Matter
ISL	Internet Systems Lab	JPUR	JPUR	GFS	US Borlaug Fellow in
Aguilar	Aguilar Lab	DL	Damon Lisch	DLRC	Discovery Learning
MSE	Materials Engineering	YFL	Yuk Fai Leung	SL	Smart Lab
UC	University Chicago	GIL	Games Innovation Lab	A3IR	A3IR-CORE
VACCINE	Visual Analytics for Com-mand, Control, and In-teroperability Environ-	PSG	Purdue Student Government	NCN	Network for Compu-tation Nanotechnolo-gy SURF
AiChe	Purdue American Insti-tute of Chemical Engi-neers	PSPE	Purdue Society of Profes-sional Engineers	FAS	Fisheries and Aquatic Sciences Labs
SUTER	Suter Lab	TBP	Tau Beta Pi		

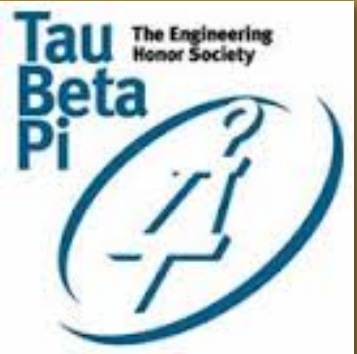
About PSPE

The Purdue Society of Professional Engineers is a student organizati on open to all engineering students on campus with the goal to prom ote leadership, professionalism, and ethics. Affiliated with multiple parent engineering societies, it organizes several events each semeste r, including The Order of the Engineer, the Fundamentals of Enginee ring Exam, plant tours, and various other service events or informati onal sessions. PSPE's Rube Goldberg team also holds the Guinness world record for the largest functional Rube Goldberg machine, consisting of 300 different steps.



About Tau Beta Pi

The Tau Beta Pi Association was founded at Lehigh Universi-ty in 1885 by Edward Higginson Williams, Jr., to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as students in engineering, or by their attain-ments as alumni in the field of engineering, and to foster a spirit of liberal culture in engineering colleges.



College of Technology					
Research Group	9-1	1-4	Class	Term	Areas
A3IR-CORE			S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	ALL
Aviation Hangar of the Future Research Laboratory			F, S, Jr, Sr, GSM	F	ALL
Birck Nanotechnology Center			GSM,GSD	F	Electrical Eng, Mechanical Eng
Discovery Learning Research Center			S, Jr, Sr	Sp, Su, F, Sp	ALL
Feng Li, Smart Lab			Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Computer and Info
Games Innovation Laboratory			Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Computer and Info, Computer Graphics
High Performance Computer Graphics Laboratory			Sr, GSM, GSD	Sp	Computer Graphics
Journal of Purdue Undergraduate Research			F, S, Jr, Sr	Sp, F, Sp	ALL
MET Fluid Power Laboratory			S, Jr, Sr, GSM, GSD	Sp, Su, F	Mechanical Eng
Office of Professional Practice			S, Jr	Su	Aeronautical Eng, Electrical Eng
Regenerative Matter, Dr. Deng’s Lab			F, S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Eng
SURF Program			S, Jr	Su	ALL
University of Cincinnati Aerospace Engineering Department			GSM, GSD	F	Aeronautical Eng, Air Traffic Control, Aviation Management, Computer and Info
US Borlaug Fellow in Global Food Security			GSM, GSD	Sp, Su, F, Sp	ALL
Visual Analytics for Command, Control, and Interoperability Environments			Jr, Sr, GSM, GSD	Sp, Su	Computer and Info, Computer Graphics

Legend:	
Fr	Freshman
So	Sophomore
Jr	Junior
Sr	Senior
F	Fall
Sp	Spring
Su	Summer

College of Agriculture					
Research Group	9-1	1-4	Class	Term	Areas
Birck Nanotechnology Center			GSM, GSD	F	Agricultural & Bio Eng
Damon Lisch			F, S, Jr, Sr, GSM, GSD	Sp	Crop Sci, Plant Genetics, Breeding, Biotech, Plant Sci
Discovery Learning Research Center			S, Jr, Sr	Sp, Su, F, Sp	ALL
Fisheries and Aquatic Science Labs			F, S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Biochem, Bio Eng, Entomology, Environmental and Natural Resources Eng, Fisheries and Aquatic Sci, Natural Resources and Environmental Sci, Pre-environmental Studies, Wildlife, Zoology
Journal of Purdue Undergraduate Research			F, S, Jr, Sr	Sp, F, Sp	ALL
Regenerative Matter, Dr. Deng’s Lab			F, S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Bio Eng
SURF Program			S, Jr	Su	ALL
Suter Lab			Jr, GSD	F	Boichem
The Purdue iGEM Team			F, S, Jr, Sr	Sp, Su, F	Agricultural Eng, Biochem, Bio and Food Process Eng, Bio Engineering, Environmental and Natural Resources Eng, Plant Genetics, Breeding, Biotech, Plant Sci
US Borlaug Fellow in Global Food Security			GSM, GSD	Sp, Su, F, Sp	ALL
Yuk Fai Leung			F, S, Jr, GSM, GSD	Sp, Su, F, Sp	Animal Sci, Biochem, Bio and Food Process Eng, Bio Eng, Fisheries and Aquatic Sci, Food Sci, Plant Sci

Legend:	
Fr	Freshman
So	Sophomore
Jr	Junior
Sr	Senior
F	Fall
Sp	Spring
Su	Summer

College of Engineering					
Research Group	9-1	1-4	Class	Term	Areas
Aviation Hangar of the Future Research Laboratory			F, S, Jr, Sr, GSM	F	Interdisciplinary
Birck Nanotechnology Center			GSM, GSD	F	Aeronautical and Astronautical, Biomed,Chemical, Electrical, Interdisciplinary, Materials, Mechanical, Multidisciplinary, Nuclear
Center for High Performance Building			GSM, GSD	Sp, F, Sp	ALL
Discovery Learning Research Center			S, Jr, Sr	Sp, Su, F, Sp	ALL
Feng Li, Smart Lab			Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Computer
Fermilab			S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Civil, Computer, Electrical, Mechanical
Fisheries and Aquatic Science Labs			F, S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Bio, Environmental and Ecological, Environmental and Natural Resources
Games Innovation Laboratory			Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Computer, Electrical, Eng Education
High Performance Computer Graphics Laboratory			Sr, GSM, GSD	Sp	Computer
Internet Systems Lab			Sr, GSM, GSD	Sp, Su	Computer
Journal of Purdue Undergraduate Research			F, S, Jr, Sr	Sp, F, Sp	ALL
Kenttamaa			GSD	F	Chem, Interdisciplinary
Maha Fluid Power Research Center			GSM, GSD	Su, F, Sp	Aeronautical and Astronautical, Agricultural, Mechanical, Multidisciplinary
Materials Engineering			F, S, Jr, Sr, GSM, GSD	Su, F, Sp	Aeronautical and Astronautical, Chem, Civil, Environmental and Ecological, Materials, Mechanical
Network for Computational Nanotechnology Summer Undergraduate Research Fellowship			S, Jr	Su	ALL
Office of Professional Practice			S, Jr	Su	Aeronautical and Astronautical, Bio, Civil, Construction, Electrical, Industrial, Materials, Mechanical
Regenerative Matter, Dr. Deng’s Lab			F, S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Bio
SURF Program			S, Jr	Su	ALL
Suter Lab			Jr, GSD	F	Biomed, Electrical, Mechanical
The Purdue iGEM Team			F, S, Jr, Sr	Sp, Su, F	Agricultural and Astronautical, Biological and Food Processing, Bio, Biomed,Chem, Computer, Electrical, Interdisciplinary, Mechanical, Multidisciplinary
University of Chicago Dept. of Physics/Materials Research Center REU Program			F, S, Jr, Sr	Su	Bio, Chem, Electrical, Interdisciplinary, Materials, Mechanical, Multidisciplinary
University of Cincinnati Aerospace Engineering Department			GSM, GSD	F	Aeronautical and Astronautical, Computer, Interdisciplinary, Materials, Mechanical, Multidisciplinary
US Borlaug Fellow in Global Food Security			GSM, GSD	Sp, Su, F, Sp	ALL
Visual Analytics for Command, Control, and Interoperability Environments			Jr, Sr, GSM, GSD	Sp, Su	Computer
Yuk Fai Leung			F, S, Jr, GSM, GSD	Sp, Su, F, Sp	Bio, Biomed, Chem, Interdisciplinary, Multidisciplinary

College of Science					
Research Group	9-1	1-4	Class	Term	Areas
Aguilar Lab			F, S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Bio, Biochem, Health and Disease, Computer Sci
Birck Nanotechnology Center			GSM, GSD	F	Bio, Biochem, Cell, Moloecular, and Developmetal Bio, Health and Disease, Microbio, Chem, Earth/Space Science Teaching, Physics, Interdisciplinary Sci
Damon Lisch			F, S, Jr, Sr, GSM, GSD	Sp	Bio, Cell, Molecular, and Developmental Bio, Ecology, Evolution, and Environmental Sci, Genetic Bio
Discovery Learning Research Center			S, Jr, Sr	Sp, Su, F, Sp	ALL
Feng Li, Smart Lab			Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Computer Sci
Fermilab			S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Physics
Fisheries and Aquatic Science Labs			F, S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Bio, Biochem, Bio Education, Cell, Molecular, and Developmental Bio, Ecology, Evolution, and Environmental Sci, Genetic Bio, Health and Disease, Microbio, Neurobio and Physiology, Chem, Environmental Geosci, Interdisciplinary Sci
Games Innovation Laboratory			Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Computer Sci, Interdisciplinary Sci
High Performance Computer Graphics Laboratory			Sr, GSM, GSD	Sp	Computer Sci
Hikka Kenttamaa			GSD	F	Chem
Journal of Purdue Undergraduate Research			F, S, Jr, Sr	Sp, F, Sp	ALL
Kenttamaa			GSD	F	Chem
Materials Engineering			F, S, Jr, Sr, GSM, GSD	Su, F, Sp	Chem, Physics
Network for Computational Nanotechnology Summer Undergraduate Research Fellowship			S, Jr	Su	ALL
Office of Professional Practice			S, Jr	Su	Chem, Computer Sci, Math, Physics
Regenerative Matter, Dr. Deng’s Lab			F, S, Jr, Sr, GSM, GSD	Sp, Su, F, Sp	Bio, Biochem
SURF Program			S, Jr	Su	ALL
Suter Lab			Jr, GSD	F	Bio, Biochem,Cell, Molecular, and Developmental Bio, Neurobio and Physiology, Chem, Math, Physics
The Purdue iGEM Team			F, S, Jr, Sr	Sp, Su, F	Bio, Biochem, Cell, Molecular, and Developmental Bio, Genetic Bio, Microbio, Chem, Computer Sci, Math, Interdisciplinary Sci
University of Chicago Dept. of Physics/Materials Research Center REU Program			F, S, Jr, Sr	Su	Chem, Physics, Interdisciplinary Sci
US Borlaug Fellow in Global Food Security			GSM, GSD	Sp, Su, F, Sp	ALL
Visual Analytics for Command, Control, and Interoperability Environments			Jr, Sr, GSM, GSD	Sp, Su	Computer Sci
Yuk Fai Leung			F, S, Jr, GSM, GSD	Sp, Su, F, Sp	Actuarial Sci, Bio, Biochem, Cell, Molecular, and Developmental Bio, Genetic Bio, Health and Disease, Neurobio and Physiology, Chem, Statics, Interdisciplinary Sci