

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Achim, Tudor Learning a Low Dimensional Representation of Graspable Objects	Computer Science	Poster Presentation	Siddhartha Srinivasa Wean Commons-1st Floor, Connan side	Robotics Institute 12-2:30
Acosta, Melissa Iccha: Multimedia Strategies for Promoting English-Language Acquisition among Bhutanese Refugees	BHA	Visual Arts	John Zimmerman Connan	Human Computer Interac... 12-2:30
Adair, Emma Children's Analogical Reasoning	Psychology	Poster Presentation	David Klahr Wean Commons-1st Floor, Connan side	Psychology 3-5
Adamchik, Dasha Infants' detection of recurrent evolutionary threats	Biological Sciences	Poster Presentation	David Rakison Wean Commons-1st Floor, Connan side	Psychology 12-2:30
Agarwal, Prerna Student Consumption of Caffeine On Campus	Economics	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 12-2:30
Aguila, Elizabeth The Effect of Musical Expectation in Background Music on Short-Term Phonological Memory	Biology and Psychology	Poster Presentation	Richard Randall Rangos 1 & 2/Sigma Xi Group 8	Music 10:45
Agyeman, Kwabena CMUcam4: Open Source Programmable Embedded Color Vision Platform	Electrical & Computer Engineering	Poster Presentation	Anthony Rowe Wean Commons-1st Floor, Connan side	Electrical & Computer ... 12-2:30
Akyar, Eda Understanding Hypertension and Health Literacy in Pittsburgh neighborhoods	Science and Humanities Scholars	Poster Presentation	Caroline Acker Hoch Commons-2nd Floor, Rangos side	History 3-5

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Akyar, Eda Wnt signaling is required for endomesoderm development in the sea star, <i>Patiria miniata</i>	Science and Humanities Scholars	Poster Presentation	Veronica Hinman Rangos 1 & 2/Sigma Xi Group 2	Biological Sciences 11:30
Al-Mannai, Salwa Challenges of Building Information Modeling In a Construction Company in Qatar	Information Systems	Poster Presentation	Hoch Commons-2nd Floor, Window side	3-5
Albert, Kendra All Bets Were Off: Changes in Scientific Causation and Tort Law through the Lens of Agent Orange from 1984 to 2005	BHA	Poster Presentation	Richard Scheines Hoch Commons-2nd Floor, Window side	Philosophy 3-5
Alexander, Charles the Attraction of Forms//an Attraction to Form	Civil and Environmental Engineering	Visual Arts	Patricia Bellan-Gillen Connan	Art 3-5
Alfonso, Laura Sitting for Success: The Effect of Self-Embodied Cognition on Stereotype Threat	English	Poster Presentation	John Creswell Kirr Commons-1st Floor, Window side	Psychology 12-2:30
Annavajhala, Medini Degradation of naphthalene using FeIII-TAML catalysts	Biological Sciences	Poster Presentation	Terrence Collins Kirr Commons-1st Floor, Window side	Chemistry 12-2:30
Aro, Steve Creation and Testing of a Novel Iron-Platinum Nanoparticle Material for Use as a Magnetic Storage Medium	Chemistry	Poster Presentation	Sara Majetich Rangos 1 & 2/Sigma Xi Group 5	Physics 10:30
Aro, Steve Growth of Iron Oxide Nanoparticles in Virus Capsid Templates	Chemistry	Poster Presentation	Sara Majetich Hoch Commons-2nd Floor, Window side	Physics 3-5

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Arredondo, Jana A Writer's Journey	English	Oral Presentation	Sharon Dilworth Class of '87	English 1:20
Baca, Karalyn Ronald Does Rio: McDonald's in Brazil	Modern Languages	Poster Presentation	Therese Tardio Hoch Commons-2nd Floor, Window side	Modern Languages 3-5
Baidyaroy, Sanjeev Blacks, Golf, and the Emerging Civil Rights Movement	History	Oral Presentation	Steven Schlossman Dowd	History 1:20
Bailey, Philip GuitarBot	Electrical & Computer Engineering	Poster Presentation	Roger Dannenberg Wean Commons-1st Floor, Connan side	Computer Science 3-5
Baksi, Devleen Understanding Hypertension and Health Literacy in Pittsburgh neighborhoods	Biological Sciences	Poster Presentation	Caroline Acker Hoch Commons-2nd Floor, Rangos side	History 3-5
Barshay, Nathaniel RoboBuggy - Fully autonomous robotic buggy	Computer Science	Oral Presentation	Mark Stehlik Pake	Computer Science 12:40
Basin, Alice Challenging infectivity of phage	Biological Sciences	Poster Presentation	Alex Evilevitch Rangos 1 & 2/Sigma Xi Group 3	Physics 10:00
Bazzi, Katia Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30

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Beatty, Jacob A Computational Fluid Dynamic Study of the Application of Momentum Kill Procedure to Oil Drilling	Mechanical Engineering	Poster Presentation	Cecil Higgs Rangos 3	Mechanical Engineering 12-2:30
Becker, Dyanna Analysis of the Thermal Performance of Green Roofs	Civil and Environmental Engineering	Poster Presentation	David Dzombak Rangos 3	Civil and Environmenta... 12-2:30
Beebe, Jonathan iSTEP 2011: Uruguay	Computer Science	Poster Presentation	Mary Bernardine Dias Rangos 1 & 2/Sigma Xi Group 9	Robotics Institute 10:30
Belenky, Matthew Accuracy of Pittsburgh Bus Timetables Used by CMU Students	Economics	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Beller, David Project Paperless	Drama	Oral Presentation	Tina Shackelford Pake	Drama 4:20
Berndt, James Small Talk: A Collection of Personal Essays	English	Oral Presentation	Hilary Masters Dowd	English 4:20
Berndt, James Small Talk: A Collection of Personal Essays	English	Oral Presentation	Hilary Masters Dowd	English 4:20
Bernstein, Douglas Towards a Bioadhesive Controlled-Release Microchip Drug Delivery System	Mechanical Engineering	Poster Presentation	Lee Weiss Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:00

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Bescherer, Kelly Rooms of Their Own: Autonomous Feminist Squats of the 1980s	English	Oral Presentation	Donna Harsch Dowd	History 4:20
Blank, Adam ColorMyGraph: Teaching Students How to Verify Proofs	Computer Science	SCS Independent Study (Poster Presentation only)	Klaus Sutner Wright	Computer Science 3-5
Boerner, Jonathan Jack Plate and Trim Switch Implementation for Thrust Optimization	Mechanical Engineering	Poster Presentation	Susan Finger Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 3-5
Boerner, Jonathan RobOrchestra Vibraphone Project	Mechanical Engineering	Poster Presentation	Roger Dannenberg Kirr Commons-1st Floor, Window side	Computer Science 12-2:30
Boncek, Emily Exploring Learning Rates: Do Students Learn at Different Rates?	Science and Humanities Scholars	Poster Presentation	Rebecca Nugent Kirr Commons-1st Floor, Window side	Statistics 12-2:30
Boncek, Emily Survey of Carnegie Mellon Faculty Regarding Attendance Policy and Student Performance	Science and Humanities Scholars	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 3-5
Bonnington, Katherine Structural Analysis of Activation Induced Cytidine Deaminase via X-Ray Crystallography	Science and Humanities Scholars	Poster Presentation	Gordon Rule Rangos 1 & 2/Sigma Xi Group 4	Biological Sciences 10:30
Boone, Brittanie Investigation of the results from the Content Focusing Coaching study and evaluating alternative Hierarchical Models.	Economics and Statistics	Poster Presentation	Rebecca Nugent Wean Commons-1st Floor, Connan side	Statistics 12-2:30

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Boyle, John In-Situ Through Plane Measurements to Determine the Effects of Nafion Loading in the Cathode Catalyst Layer of a PEMFC	Mechanical Engineering	Poster Presentation	Shawn Litster Rangos 3	Mechanical Engineering 12-2:30
Bradley, Rachel Aerosol delivery of self-dispersing pulmonary drug formulations	Chemical Engineering	Poster Presentation	Todd Przybycien Rangos 3	Biomedical Engineering 12-2:30
Breaux, Rosanna The Beginnings of Deductive Reasoning Abilities in Infants	Psychology	Poster Presentation	David Rakison Kirr Commons-1st Floor, Window side	Psychology 3-5
Brown, Philip Fire Identification and Localization for Autonomous Firefighting Robotics	Mechanical Engineering	Poster Presentation	Illah Nourbakhsh Kirr Commons-1st Floor, Window side	Robotics Institute 3-5
Burks, Andrew RobOrchestra Vibraphone Project	Mechanical Engineering	Poster Presentation	Roger Dannenberg Kirr Commons-1st Floor, Window side	Computer Science 12-2:30
Burman, Manish Navigating Carnegie Mellon	Electrical & Computer Engineering	Poster Presentation	David Kosbie Wean Commons-1st Floor, Connan side	Computer Science 3-5
Burns, Edward Numerical Simulation of Unsteady Separation Over a Pitching Airfoil	Mechanical Engineering	Poster Presentation	Donghyun You Rangos 3	Mechanical Engineering 12-2:30
Bursley, James Neural Mechanisms of Unconscious Thought	Psychology	Oral Presentation	John Creswell Peter	Psychology 3:00

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Butler, Emily Estimating Survival Distribution of Aluminum Processing Pots	Statistics	Oral Presentation	Joel Greenhouse Class of '87	Statistics 1:00
Calabretta, Marci Last Train to the Midnight Market	English	Oral Presentation	James Daniels Dowd	English 1:00
Callen, Meaghan 44 Sunsets	BHA	Visual Arts	Jon Rubin Connan	Art 12-2:30
Callen, Meaghan Always Here	BHA	Visual Arts	Jon Rubin Connan	Art 12-2:30
Callen, Meaghan The Aftermath of Heavy Metal	BHA	Oral Presentation	Terrance Hayes Class of '87	English 3:00
Campbell, Ian Investigating the Role of Pwp1 in 60S Yeast Ribosome Assembly	Biological Sciences	Poster Presentation	John Woolford Hoch Commons-2nd Floor, Rangos side	Biological Sciences 12-2:30
Carey, Nicola Temperature and Stiffness Correction of SAW Devices for Wireless Strain Sensing	Civil and Environmental Engineering	Poster Presentation	Irving Oppenheim Hoch Commons-2nd Floor, Rangos side	Civil and Environmenta... 12-2:30
Carlson, Gerald GuitarBot	Mechanical Engineering	Poster Presentation	Roger Dannenberg Wean Commons-1st Floor, Connan side	Computer Science 3-5

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Carr, Jule A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Civil and Environmental Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Carroll, James A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Carroll, James Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Catania, Anthony Building Isolation: Barriers to a Sustainable Built Environment	BHA	Oral Presentation	M. Stephanie Murray Class of '87	BHA 3:40
Chan, Hao Yee Discriminative Pronunciation Learning for Speech Recognition for Resource Scarce Languages	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Ronald Rosenfeld McKenna	Language Technologies ... 1:40
Chan-Kalin, Tobie conSTRICT	Architecture	Poster Presentation	Christine Mondor Rangos 1 & 2/Sigma Xi Group 8	Architecture 11:00
Chan-Kalin, Tobie conSTRICT	Architecture	Visual Arts	Christine Mondor Connan	Architecture 12-2:30
Chandra, Rachita Utilizing GPUs for benchmarking an autotuning system	Electrical & Computer Engineering	Poster Presentation	Franz Franchetti Rangos 1 & 2/Sigma Xi Group 9	Electrical & Computer ... 11:45

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Chang, Christopher Survey of Carnegie Mellon Faculty Regarding Attendance Policy and Student Performance	Statistics	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 3-5
Chang, David The Design, Modeling, and Analysis of a Chaotic Microfluidic Heat Exchange Chip	Mechanical Engineering	Poster Presentation	Nadine Aubry Hoch Commons-2nd Floor, Window side	Mechanical Engineering 3-5
Chang, Kelly Survey of Carnegie Mellon Faculty Regarding Attendance Policy and Student Performance	Electrical & Computer Engineering	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 3-5
Chang, Willis A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Chang, Willis Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Chao, Emily Communal Coping Between Persons with Diabetes and Their Partners: An Exploratory Study	Biology and Psychology	Poster Presentation	Vicki Helgeson Kirr Commons-1st Floor, Window side	Psychology 12-2:30
Chavez, Pablo Filtering Crowdsourced Data on Word Sense Disambiguation Tasks	Computer Science	Poster Presentation	Hoch Commons-2nd Floor, Rangos side	3-5
Chen, Desai Bilingual Part of Speech Tag Induction with Markov Random Fields	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Natalie Smith McKenna	Computer Science 12:00

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Cheng, Eric Tap Detection and Localization in Claytronics Blinky Blocks	Electrical & Computer Engineering	Poster Presentation	Seth Goldstein Rangos 3	Computer Science 12-2:30
Cheng, Jillian Communal Coping Between Persons with Diabetes and Their Partners: An Exploratory Study	Biological Sciences	Poster Presentation	Vicki Helgeson Kirr Commons-1st Floor, Window side	Psychology 12-2:30
Chinen, Alyssa Design and Synthesis of Ruthenium Tris-Bipyridine Peptide Nucleic Acid for Charge Transfer Studies	Chemistry	Poster Presentation	Catalina Achim Rangos 1 & 2/Sigma Xi Group 5	Chemistry 11:00
Chivetta, Anthony SkyeFS: An implementation of the Giga+ algorithm for distributed metadata on PVFS	Computer Science	SCS Independent Study (Poster Presentation only)	Garth Gibson Wright	Computer Science 12-2:30
Cho, Hye Jung Faculties Attitude toward Plus/Minus Grading System	Economics and Statistics	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5
Cho, Je Suk Arbitrage Trading - Using Futures and Trusts.	Computer Science	Poster Presentation	John O'Brien Wean Commons-1st Floor, Connan side	Business Administration 12-2:30
Chock, Brandon Protein Transport through Nanostructured Block Copolymer Hydrogels	Chemical Engineering	Poster Presentation	Lynn Walker Kirr Commons-1st Floor, Window side	Chemical Engineering 3-5
Choi, Erica Faculties Attitude toward Plus/Minus Grading System	Science and Humanities Scholars	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5

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Choi, Erica Investigation of the results from the Content Focusing Coaching study and evaluating alternative Hierarchical Models.	Science and Humanities Scholars	Poster Presentation	Rebecca Nugent Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Choi, Han Na The Single Molecule Study of Glutathione Transferases	Biological Sciences	Poster Presentation	Gordon Rule Rangos 1 & 2/Sigma Xi Group 4	Biological Sciences 10:15
Choi, Si Won Computational Pathology to Discover Common Mechanisms of Premature Aging Diseases	Chemical Engineering	Poster Presentation	Kris Dahl Rangos 3	Biomedical Engineering 12-2:30
Choi, Yong-Gyun Student Consumption of Caffeine On Campus	Economics and Statistics	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 12-2:30
Chong, Katherine Synthesis of Ester and Cyano Derivatives of Fluorogenic Dyes Based On Dimethyl Indole Red (DIR)	Chemistry	Poster Presentation	Bruce Armitage Wean Commons-1st Floor, Connan side	Chemistry 12-2:30
Chong, Yi Xiang Classroom Salon: Text Mining and Clustering	Mathematics	Poster Presentation	Rebecca Nugent Wean Commons-1st Floor, Connan side	Statistics 3-5
Chu, Eric Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Chu, Jonathan Creating Word Corpora with Human Computation	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Anthony Tomasic McKenna	Language Technologies ... 12:40

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Clement, Cynthia A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Mathematics	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Colletti, Anna Investigation of Spinodal Decomposition in FeNi Invar Alloys for Magnetic Sensor Applications	Materials Science Engineering	Poster Presentation	Michael McHenry Rangos 3	Materials Science Engi... 12-2:30
Coloyan, Gabriella Optimizing the Design of Carbon Nanotubes Aerogels for Thermal Transport Applications	Mechanical Engineering	Poster Presentation	Alan McGaughey Rangos 1 & 2/Sigma Xi Group 7	Mechanical Engineering 10:45
Conkey, Adam Deepening the Automated Search for Gödel's Proofs	Mathematics	Poster Presentation	Wilfried Sieg Hoch Commons-2nd Floor, Window side	Philosophy 12-2:30
Cooper, Jeffrey A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Cooper, Jeffrey Exploration and Mapping of Unstructured Environments using an Autonomous Quadrotor	Computer Science	Oral Presentation	Sanjiv Singh Peter	Robotics Institute 1:40
Cooper, Jeffrey Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Coste, Katherine RobOrchestra Vibraphone Project	Materials Science Engineering	Poster Presentation	Roger Dannenberg Kirr Commons-1st Floor, Window side	Computer Science 12-2:30

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Coyle, Elizabeth Role of TLR signaling in the chemopreventive properties of naturally occurring isothiocyanates	Biological Sciences	Poster Presentation	Rangos 1 & 2/Sigma Xi Group 5	10:00
Curhan, Daniel GuitarBot	Mechanical Engineering	Poster Presentation	Roger Dannenberg Wean Commons-1st Floor, Connan side	Computer Science 3-5
Cuti, Katherine Sitting for Success: The Effect of Self-Embodied Cognition on Stereotype Threat	Psychology	Poster Presentation	John Creswell Kirr Commons-1st Floor, Window side	Psychology 12-2:30
Cutrone, Elizabeth Object-based Attention is Modulated by Object Exposure Duration	Science and Humanities Scholars	Poster Presentation	Marlene Behrmann Hoch Commons-2nd Floor, Rangos side	Psychology 12-2:30
Das, Jitu Exploration and Mapping of Unstructured Environments using an Autonomous Quadrotor	Computer Science	Oral Presentation	Sanjiv Singh Peter	Robotics Institute 1:40
Daughtrey, Abigail Student Consumption of Caffeine On Campus	English	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 12-2:30
Davis, Dominique Even this Shadow has Weight: Collected Poetry	English	Oral Presentation	Jane McCafferty Class of '87	English 1:40
Day, Lowell Architectural Canvas: Prescribing Flexibility	Architecture	Poster Presentation	Dale Clifford Hoch Commons-2nd Floor, Rangos side	Architecture 3-5

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Deo, Priyanka A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Deo, Priyanka Exploration and Mapping of Unstructured Environments using an Autonomous Quadrotor	Computer Science	Oral Presentation	Sanjiv Singh Peter	Robotics Institute 1:40
Deo, Priyanka Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Devincentis, Brian Navigating Carnegie Mellon	Mechanical Engineering	Poster Presentation	David Kosbie Wean Commons-1st Floor, Connan side	Computer Science 3-5
Devine, Danielle Dominant mutations in myosin II heavy chain genes 6, 7, and 11 and their affect on myosin protein dimerization	Biological Sciences	Poster Presentation	Peter Berget Hoch Commons-2nd Floor, Rangos side	Biological Sciences 3-5
Dewolf, Melissa Strategies Used in Fraction Magnitude Comparisons	Psychology	Poster Presentation	Robert Siegler Wean Commons-1st Floor, Connan side	Psychology 12-2:30
Dezil, Stefan Zombie College Musical	Drama	Performing Arts	Kristina Straub McConomy Auditorium	English 11:00
Diaz, Spencer Zombie College Musical	Art	Performing Arts	Kristina Straub McConomy Auditorium	English 11:00

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Dickinson Goodman, Jessica Historical Understandings of Derivative Works and Modern Copyright Policy	Ethics, History & Public Policy	Oral Presentation	Jay Aronson Dowd	History 12:00
Dolan, Heather Advancements to a Novel method of Length-Based DNA Separation, End-Labeled Free Solution Electrophoresis	Chemical Engineering	Poster Presentation	James Schneider Rangos 3	Chemical Engineering 12-2:30
Doonan, Lynley Understanding the Role of DEAD-Box Protein DRS1 in Ribosome Assembly	Biological Sciences	Poster Presentation	John Woolford Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 10:15
Dority, Megan Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Mechanical Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Doshi, Dev Fire Identification and Localization for Autonomous Firefighting Robotics	Computer Science	Poster Presentation	Illah Nourbakhsh Kirr Commons-1st Floor, Window side	Robotics Institute 3-5
Doshi, Dev Prior Knowledge Assessment using Salon	Computer Science	SCS Independent Study (Poster Presentation only)	Ananda Gunawardena Wright	Computer Science 3-5
Dougherty, Patrick An Investigation of the Wear Mechanisms Leading to Self-Replenishing Transfer Films	Mechanical Engineering	Poster Presentation	Cecil Higgs Hoch Commons-2nd Floor, Rangos side	Mechanical Engineering 12-2:30
Dyer, Marco Analysis of Miscibility of Silicone Dioxide nanoparticles in Poly(Methyl Methacrylate) and Styrene Acrylonitrile	Materials Science Engineering	Poster Presentation	Satyajeet Ojha Rangos 3	Materials Science Engi... 12-2:30

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EI-Ghazaly, Amal Lateral Tracking Electrothermal Actuator	Electrical & Computer Engineering	Poster Presentation	Jim Bain Rangos 1 & 2/Sigma Xi Group 6	Electrical & Computer ... 11:30
Ellison, Benjamin Quantifying Grain Boundary Character Distribution of Nickel using High Energy Diffraction Microscopy and Forward Modeling Techniques	Physics	Poster Presentation	Shiu Li Rangos 1 & 2/Sigma Xi Group 6	Physics 10:30
Ellison, Trevor Elucidating the Regulation of SpC-lectin in Early Embryogenesis	Chemistry	Poster Presentation	Charles Ettensohn Hoch Commons-2nd Floor, Window side	Biological Sciences 3-5
Epperson, Ian An Analysis of American Foreign Policy Towards an Independent Palestinian State, 1982-2002	History	Oral Presentation	Laurie Eisenberg Peter	History 4:40
Erdogan, Can Action Selection via Learning Opponent Models in RoboCup	Computer Science	SCS Independent Study (Poster Presentation only)	Manuela Veloso Wright	Computer Science 3-5
Ergener, Sibel Travels in Istanbul and Reactions to Domes	Art	Visual Arts	Lowry Burgess Connan	Art 3-5
Etling, Philip Multi-Robot Interaction and Design	Electrical & Computer Engineering	Poster Presentation	Manuela Veloso Kirr Commons-1st Floor, Window side	Computer Science 12-2:30
Fahim, Afnan iSTEP 2011: Uruguay	Computer Science	Poster Presentation	Mary Bernardine Dias Rangos 1 & 2/Sigma Xi Group 9	Robotics Institute 10:30

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Farrell, Douglas Architectural Canvas: Prescribing Flexibility	Architecture	Poster Presentation	Dale Clifford Hoch Commons-2nd Floor, Rangos side	Architecture 3-5
Feinstein, Joel Achieving Extreme Processor Performance Using Unconventional Cooling	Electrical & Computer Engineering	Poster Presentation	Kenneth Mai Rangos 1 & 2/Sigma Xi Group 6	Electrical & Computer ... 11:00
Ferri, Emily The Influence of Sociopolitical and Economic Factors in the Formation of Caribbean Creoles and Dialects	Self-defined	Oral Presentation	Kenya Dworkin y Mendez Dowd	Modern Languages 3:40
Frazier, Jennifer Infants' detection of recurrent evolutionary threats	Civil and Environmental Engineering	Poster Presentation	David Rakison Wean Commons-1st Floor, Connan side	Psychology 12-2:30
Friedrich, Jasmine The Linguistic Impact of Brand Creation & Lexicalization	Linguistics	Poster Presentation	Thomas Werner Kirr Commons-1st Floor, Window side	Philosophy 3-5
Frier, Ethan Increasing the Visual Presence of Bike Commuters At Night	Design	Poster Presentation	Stephen Stadelmeier Kirr Commons-1st Floor, Window side	Design 12-2:30
Fu, Katherine Increasing the Efficacy of Cross-Linking Agents in Lung Cancer	Biological Sciences	Poster Presentation	Rangos 1 & 2/Sigma Xi Group 1	10:45
Fu, Katherine Perceptions of Childbirth Among American Expatriate Mothers in Switzerland: A Standard for Comparative Maternal Healthcare Systems in Two Countries	Biological Sciences	Oral Presentation	Marie Norman Peter	History 2:00

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Garcia-Bengochea, Ibrahim conSTRICT	Architecture	Visual Arts	Christine Mondor Connan	Architecture 12-2:30
Garcia-Bengochea, Ibrahim conSTRICT	Architecture	Poster Presentation	Christine Mondor Rangos 1 & 2/Sigma Xi Group 8	Architecture 11:00
Garg, Aiena Faculties Attitude toward Plus/Minus Grading System	Economics and Statistics	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5
Gartrell, Alexander Slick: A Framework for High Throughput Network Applications in the Kernel	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	David Andersen Peter	Computer Science 12:40
Ghafafian, Carineh A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Materials Science Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Ghose, Monalisa The Role of Golgin-45 in Ribbon Formation	Biological Sciences	Poster Presentation	Adam Linstedt Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 10:30
Gilchrist, Hannah The Colour Space	BHA	Poster Presentation	Kristin Hughes Hoch Commons-2nd Floor, Window side	Design 12-2:30
Gill, Pasha Learning by Comparing: Effects of Direct Instruction, Discovery and Delay on Analogical Transfer	Psychology	Poster Presentation	David Klahr Wean Commons-1st Floor, Connan side	Psychology 3-5

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Gillis, Ian Structure Identification Using Laser Scanner Device	Computer Science	Poster Presentation	Daniel Huber Kirr Commons-1st Floor, Window side	Robotics Institute 12-2:30
Goldner, Elissa A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Civil and Environmental Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Goldstein, Douglas The Use of English in Japanese Advertising	Modern Languages	Poster Presentation	Yasufumi Iwasaki Wean Commons-1st Floor, Connan side	Modern Languages 12-2:30
Goldston, Cora Self and Society: How Personal Valence Affects Perceived Impact	Social & Decision Sciences	Oral Presentation	Carey Morewedge Pake	Social & Decision Scie... 3:00
Gonzales, Elise iSTEP 2011: Uruguay	Computer Science	Poster Presentation	Mary Bernardine Dias Rangos 1 & 2/Sigma Xi Group 9	Robotics Institute 10:30
Grabowski, David Zombie College Musical	Music	Performing Arts	Kristina Straub McConomy Auditorium	English 11:00
Gray, Robyn Heart-Heart	BCSA	Visual Arts	M. Stephanie Murray Connan	BHA 12-2:30
Gu, Haijie Efficient Algorithms for Nonparametric Online Prediction	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	John Lafferty McKenna	Computer Science 3:00

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Guerra, Stephanie Further Exploration of Non-Skeletogenic Mesoderm of the Sea Urchin Embryo	Biological Sciences	Oral Presentation	Charles Ettensohn Pake	Biological Sciences 12:00
Guerrero, Jessica A Case Study of Gustav Lindenthal's Smithfield Street Bridge in Pittsburgh	Civil and Environmental Engineering	Poster Presentation	Sarah Christian Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 12-2:30
Gumbel, Lauren Effect of Pretests on Children's Numerical Magnitude Representations	Psychology	Poster Presentation	Robert Siegler Kirr Commons-1st Floor, Window side	Psychology 3-5
Gurary, Ellen Undergraduate Involvement at Carnegie Mellon University	Statistics	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Gurjar, Devendra A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Gurjar, Devendra Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Habib, Sarah Meditation of The Word	BHA	Visual Arts	Robert Murphy Connan	Biological Sciences 12-2:30
Hahnenberg, Mark Dynamic Casts in the Plaid Programming Language	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Jonathan Aldrich McKenna	Computer Science 2:00

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Hamlin, Margaret Similar Policies, Different Outcomes: US Policies toward Haiti and the Dominican Republic	Social & Decision Sciences	Oral Presentation	Silvia Borzutzky Dowd	Social & Decision Scie... 3:20
Hansen, Steven Human-Like Understanding of Two and Three-Line Figures	Computer Science	Poster Presentation	David Touretzky Rangos 1 & 2/Sigma Xi Group 9	Computer Science 10:15
Hansen, Steven Human-Like Understanding of Two and Three-Line Figures	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	David Touretzky McKenna	Computer Science 3:40
Harbuck, Jonathan CaFE Play: A Customizable Mobile Phone Game Framework for Enhancing English Literacy	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Mary Bernardine Dias McKenna	Robotics Institute 12:20
Harding, Rachael Memory Scheduling for Multi-threaded Applications	Electrical & Computer Engineering	Poster Presentation	Onur Mutlu Hoch Commons-2nd Floor, Rangos side	Electrical & Computer ... 3-5
Herrick, Ashley The Effects of Parent Attachment Style and Parent Socialization Strategies on Preschool and Kindergarten Children's Behaviors	Psychology	Poster Presentation	Brooke Feeney Hoch Commons-2nd Floor, Rangos side	Psychology 3-5
Herriman, Jane Contact Development to AlGaIn/GaN HEMT Chemical Sensors	Chemistry	Poster Presentation	Lisa Porter Hoch Commons-2nd Floor, Window side	Materials Science Engi... 12-2:30
Hersan, Andre Investigation of debranching enzyme	Biological Sciences	Poster Presentation	Mark Macbeth Rangos 1 & 2/Sigma Xi Group 4	Biological Sciences 11:00

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Heuslein, Josh Reduction of burn progression with topical delivery of (anti-TNF-a)-hyaluronic acid conjugates	Biomedical Engineering	Poster Presentation	Newell Washburn Rangos 1 & 2/Sigma Xi Group 1	Chemistry 11:00
Higgins, Timothy Accuracy of Pittsburgh Bus Timetables Used by CMU Students	Economics	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Himes, Adam Vernacular and Contemporary Sustainable Building Practices in the Middle East	Architecture	Poster Presentation	Rami el Samahy Hoch Commons-2nd Floor, Window side	Architecture 12-2:30
Hoffman, Chelsea SNP Mapping of C.elegans to identify an alpha 1-antitrypsin mutation	Biological Sciences	Poster Presentation	Kirr Commons-1st Floor, Window side	3-5
Hor, Jyo Lyn Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Horst, Travis Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Howard, Emilia A Case Study of Gustav Lindenthal's Smithfield Street Bridge in Pittsburgh	Civil and Environmental Engineering	Poster Presentation	Sarah Christian Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 12-2:30
Howland, John A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Mechanical Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Howland, John Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Mechanical Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Hu, Si Ying Real Time Expression Recognition Using GPUs for Home Automation and Driver Awareness Applications.	Electrical & Computer Engineering	Poster Presentation	Marios Savvides Rangos 3	Electrical & Computer ... 12-2:30
Huang, David Identification of New Candida albicans Adherence Genes	Biological Sciences	Poster Presentation	Aaron Mitchell Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 11:45
Huang, Stephanie Classic Film, Modern Design: Re-Branding for a 21st-Century Audience.	BHA	Visual Arts	M. Stephanie Murray Connan	BHA 12-2:30
Hung, Ming-Yang Novel cardiovascular flow regimes in patient-specific anatomies	Mechanical Engineering	Poster Presentation	Kerem Pekkan Rangos 1 & 2/Sigma Xi Group 9	Biomedical Engineering 10:45
Hutchinson, Maxwell Dynamic Monte Carlo Renormalization Group	Physics	Poster Presentation	Robert Swendsen Hoch Commons-2nd Floor, Window side	Physics 3-5
Hutchinson, Maxwell GPU acceleration of VASP with application to the structure of elemental boron	Physics	Poster Presentation	Michael Widom Rangos 1 & 2/Sigma Xi Group 6	Physics 10:15
Ibaraki, Christine Classroom Salon: Text Mining and Clustering	Statistics	Poster Presentation	Rebecca Nugent Wean Commons-1st Floor, Connan side	Statistics 3-5

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Imbrescia, Julian Creating Meaning out of Difference: The Discourse of Alternative Relationships	Self-defined	Oral Presentation	Linda Flower Class of '87	English 12:00
Infante, Juan Effects of Fabrication Conditions on the Structure and Performance of TiO2 based Resistive Switching Data Storage Devices	Materials Science Engineering	Poster Presentation	Paul Salvador Wean Commons-1st Floor, Connan side	Materials Science Engi... 3-5
Inman, Rachel My City. My Block.	Design	Visual Arts	Dylan Vitone Connan	Design 3-5
Ioffreda, Christopher SmartBag	Design	Poster Presentation	Mark Baskinger Kirr Commons-1st Floor, Window side	Design 12-2:30
Jackson, Bruce Undergraduate Involvement at Carnegie Mellon University	Statistics	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Jacobs, Daniel A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Jacobs, Daniel Exploration and Mapping of Unstructured Environments using an Autonomous Quadrotor	Electrical & Computer Engineering	Oral Presentation	Sanjiv Singh Peter	Robotics Institute 1:40
Jacobs, Daniel Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Jain, Archa Parameterizable On-Chip Communication Synthesis for Multi-Core Systems	Electrical & Computer Engineering	Poster Presentation	Diana Marculescu Rangos 1 & 2/Sigma Xi Group 9	Electrical & Computer ... 11:15
Jayaraman, Mahaesh A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Chemical Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Johnson, Alexandra Writing code to grade code	Computer Science	SCS Independent Study (Poster Presentation only)	Leigh Ann Sudol Wright	Computer Science 3-5
Jones, Aliesha Journal of 21 year old.	English	Poster Presentation	Charlee Brodsky Hoch Commons-2nd Floor, Window side	Design 3-5
Kamei, Ibuki Jack Plate and Trim Switch Implementation for Thrust Optimization	Mechanical Engineering	Poster Presentation	Susan Finger Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 3-5
Kase, Brandon Navigating Carnegie Mellon	Electrical & Computer Engineering	Poster Presentation	David Kosbie Wean Commons-1st Floor, Connan side	Computer Science 3-5
Kataria, Shruti Evaluation of National Electronic Disease Surveillance System in county Public Health Department	Human Computer Interaction Inst.	Poster Presentation	Anind Dey Rangos 1 & 2/Sigma Xi Group 8	Human Computer Interac... 11:15
Kelner, Ilya SWANDRIVE - Smart Wireless Analysis Network for Driver Information and Vehicle Efficiency	Electrical & Computer Engineering	Poster Presentation	Philip Koopman Kirr Commons-1st Floor, Window side	Electrical & Computer ... 3-5

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Kernion, Samuel Modeling of Planar Flow Casting Process for Efficiency in Synthesizing Magnetic Ribbon	Materials Science Engineering	Poster Presentation	Michael McHenry Hoch Commons-2nd Floor, Window side	Materials Science Engi... 12-2:30
Khan, Mike Creation of Septin Mutants in Candida albicans via Transposon Mutagenesis	Biological Sciences	Poster Presentation	Jill Blankenship Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 11:15
Khandelwal, Apoorv Elastomer Degradation Modeling	Electrical & Computer Engineering	Oral Presentation	Christopher Bettinger Peter	Materials Science Engi... 4:20
Khorrami, Pooya Low-Resolution Face Recognition using Coupled Locality Preserving Mappings	Electrical & Computer Engineering	Poster Presentation	Vijayakumar Bhagavatula Rangos 3	Electrical & Computer ... 12-2:30
Kim, Dong Seob Faculties Attitude toward Plus/Minus Grading System	Chemistry	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5
Kim, Jaywoo RobOrchestra Vibraphone Project	Mechanical Engineering	Poster Presentation	Roger Dannenberg Kirr Commons-1st Floor, Window side	Computer Science 12-2:30
Kim, Margaret Use of Tetramethylrhodamine dimerization to quantify pH dependence of Kinesin head-tail interaction	Chemistry	Poster Presentation	David Hackney Rangos 1 & 2/Sigma Xi Group 4	Biological Sciences 12:00
Kim, Yong Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Kim, Youngeun Cellular Response to 1D-2D Topographic Features on Adhesive Substrates	Materials Science Engineering	Poster Presentation	Yu-Li Wang Rangos 1 & 2/Sigma Xi Group 7	Biomedical Engineering 10:15
Kimball Jr., Paul Jack Plate and Trim Switch Implementation for Thrust Optimization	Mechanical Engineering	Poster Presentation	Susan Finger Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 3-5
Kissell, Ryan SYNTHESIS OF SUB-NANOMETER SIZED METALLIC NANOPARTICLES	Chemical Engineering	Poster Presentation	Nisha Shukla Wean Commons-1st Floor, Connan side	Physics 12-2:30
Klarfeld, Alex RoboBuggy - Fully autonomous robotic buggy	Electrical & Computer Engineering	Oral Presentation	Mark Stehlik Pake	Computer Science 12:40
Klein, Andrew Semi-Automated Collection of Pitch Location and Intent in Baseball	Statistics	Oral Presentation	Rebecca Nugent Dowd	Statistics 2:00
Kochis, Kenneth Distributed Power Manager	Computer Science	Poster Presentation	Mor Harchol-Balter Hoch Commons-2nd Floor, Rangos side	Computer Science 12-2:30
Koechlein, Claire Investigating the role of signaling in establishing axial patterning in the sea star ectoderm	Biological Sciences	Poster Presentation	Veronica Hinman Rangos 1 & 2/Sigma Xi Group 2	Biological Sciences 11:15
Kojzar, Andrew The Detection of Multiple Ions in a Single Drop of Sample	Mechanical Engineering	Poster Presentation	Stephen Garoff Rangos 3	Physics 12-2:30

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Kolluri, Nikunja Determining the effects of PEGylation on therapeutic enzymes	Chemical Engineering	Poster Presentation	Todd Przybycien Rangos 1 & 2/Sigma Xi Group 5	Biomedical Engineering 10:45
Kolodziej, Starsha Visualizing 3-Dimensional Structure in Biofilms of the Yeast Candida albicans	Biological Sciences	Poster Presentation	Frederick Lanni Kirr Commons-1st Floor, Window side	Biological Sciences 12-2:30
Koo, Sebon Personalized Navigation Routes	Computer Science	SCS Independent Study (Poster Presentation only)	Anind Dey Wright	Human Computer Interac... 12-2:30
Koyen, Allyson APC2 and the Rescue of Brat11 Mutants in Drosophila Neuroblasts	Biological Sciences	Poster Presentation	Brooke McCartney Rangos 1 & 2/Sigma Xi Group 2	Biological Sciences 10:15
Krahe, James Zombie College Musical	Art	Performing Arts	Kristina Straub McConomy Auditorium	English 11:00
Krall, Rebecca Four Track Decays of the J/ Meson	Physics	Poster Presentation	Roy Briere Rangos 1 & 2/Sigma Xi Group 6	Physics 10:00
Kravarik, Kellie Examination of cell autonomous and non-autonomous effects of APC loss in the developing Drosophila wing	Biological Sciences	Poster Presentation	Brooke McCartney Rangos 1 & 2/Sigma Xi Group 2	Biological Sciences 10:30
Krithivasan, Rajeev Graph Morphisms To Support Consistency Checking In Cyber Physical System Architectures	Electrical & Computer Engineering	Poster Presentation	Bruce Krogh Rangos 3	Electrical & Computer ... 12-2:30

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Kuang, Yulin Zombie College Musical	English	Performing Arts	Kristina Straub McConomy Auditorium	English 11:00
Kuhn, Anthony Broken Promises: The French Expulsion of Emir Feisal from Syria in 1920 and the Failed Struggle for Syrian Independence	History	Oral Presentation	Laurie Eisenberg Class of '87	History 4:20
Kukla, Kathryn Tissue Engineering Approach to Breast Reconstruction Surgery	Biomedical Engineering	Poster Presentation	Rangos 1 & 2/Sigma Xi Group 1	11:30
Kurkjian, Lane A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Civil and Environmental Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Kuwahara, Alise EDiTIBLE	Architecture	Poster Presentation	Pablo Garcia Hoch Commons-2nd Floor, Rangos side	Architecture 12-2:30
Lam, Alexander A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Lam, Alexander Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Lam, Faith Senior Honors Thesis: The Socratic Method as an Approach to Learning	Philosophy	Oral Presentation	Andy Norman Dowd	Philosophy 3:00

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Lam, Oliver A Study on Students' Change of Majors, What They Choose and Why.	Psychology	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5
Langford, John Modular Modeling Frameworks: Opportunities and Limitations of Causal and Acausal Approaches	Mechanical Engineering	Poster Presentation	Bruce Krogh Rangos 3	Electrical & Computer ... 12-2:30
Lavery, Samuel Resurrecting Pittsburgh: The Syria Mosque	BHA	Visual Arts	Diane Shaw Connan	Architecture 3-5
Lee, Anabelle Ghostwalk	English	Poster Presentation	Hoch Commons-2nd Floor, Window side	12-2:30
Lee, Andrew Improving the Learning of Patterns of Pick-ups and Drop-Offs	Computer Science	SCS Independent Study (Poster Presentation only)	Anind Dey Wright	Human Computer Interac... 12-2:30
Lee, Eun Hwa Analysis of BRCA2 protein level in pancreatic cancer patients by Western Blotting method.	Biological Sciences	Poster Presentation	Rangos 1 & 2/Sigma Xi Group 1	10:15
Lee, Joseph A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Lee, Joseph Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Lee, Minjae EteRNA	Computer Science	SCS Independent Study (Poster Presentation only)	Mark Stehlik Wright	Computer Science 3-5
Lee, Robert Dynamic Monte Carlo Renormalization Group	Physics	Poster Presentation	Robert Swendsen Hoch Commons-2nd Floor, Window side	Physics 3-5
Lee, Sojung (Lindsey) ZnO Functional Layers for Chemiresistive Sensors	Chemical Engineering	Poster Presentation	James Miller Kirr Commons-1st Floor, Window side	Chemical Engineering 3-5
Lee, Stacey Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Legrady, Alexandra Vernacular and Contemporary Sustainable Building Practices in the Middle East	Architecture	Poster Presentation	Rami el Samahy Hoch Commons-2nd Floor, Window side	Architecture 12-2:30
Lehrer, Benjamin Architectural Canvas: Prescribing Flexibility	Architecture	Poster Presentation	Dale Clifford Hoch Commons-2nd Floor, Rangos side	Architecture 3-5
Lekht, Julia Towards a Bioadhesive Controlled-Release Microchip Drug Delivery System	Biological Sciences	Poster Presentation	Lee Weiss Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:00
Len, Michael A Study on Students' Change of Majors, What They Choose and Why.	Computer Science	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Lenhart, Anna A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Civil and Environmental Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Leonard, George Synthesis of Poly(ethylene glycol methacrylate)-graft-siNPs via SI-ATRP for Pickering Emulsions	Chemistry	Poster Presentation	Kris Matyjaszewski Wean Commons-1st Floor, Connan side	Chemistry 3-5
Letwin, Nicholas Power for Lunar Surface Systems	Electrical & Computer Engineering	Poster Presentation	William Whittaker Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:45
Levkoy, Abraham A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Levkoy, Abraham Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Lew, Jane Structural Analysis of Mutant Adenosine Deaminase that Act on RNA (ADAR)	Biological Sciences	Poster Presentation	Mark Macbeth Rangos 1 & 2/Sigma Xi Group 4	Biological Sciences 11:30
Lewi, Kevin Online Metric Matching on the Line	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Anupam Gupta Peter	Computer Science 12:20
Liew, Kaiyang A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Mechanical Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Lim, Zhi Yang Low Energy Image Reconstruction with Magic Memory	Electrical & Computer Engineering	Poster Presentation	Franz Franchetti Rangos 1 & 2/Sigma Xi Group 6	Electrical & Computer ... 11:45
Locus, James Music Generation Application	Music	SCS Independent Study (Poster Presentation only)	Roger Dannenberg Wright	Computer Science 3-5
Loncke, Christopher Student Consumption of Caffeine On Campus	Mathematics	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 12-2:30
Lopez, Adrian A Case Study of Gustav Lindenthal's Smithfield Street Bridge in Pittsburgh	Civil and Environmental Engineering	Poster Presentation	Sarah Christian Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 12-2:30
Lu, Yuanting An Initial Study of Ovarian Cancer Stem Cells and the Cytokine Network	Biological Sciences	Poster Presentation	Rangos 1 & 2/Sigma Xi Group 1	10:00
Lubner, Sean Numerical Modeling of the Soft Elastohydrodynamic Tribosystems	Mechanical Engineering	Poster Presentation	Cecil Higgs Rangos 3	Mechanical Engineering 12-2:30
Luo, Mian Ergobuddy	Electrical & Computer Engineering	Poster Presentation	Asim Smailagic Rangos 3	Electrical & Computer ... 12-2:30
Lynn, Heather Breast cancer migration via BDNF endothelial expression outside of blood vasculature	Biological Sciences	Poster Presentation	Rangos 1 & 2/Sigma Xi Group 1	10:30

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Ma, Yue Modeling the kinetics of spinodal decomposition in the Fe <sub>2</sub> TiO <sub>4</sub> -Fe <sub>3</sub> O <sub>4</sub> pseudo-binary system	Materials Science Engineering	Poster Presentation	Michael McHenry Rangos 3	Materials Science Engi... 12-2:30
Makris, Christopher Exploration of Imputation Methods for Missingness in Image Segmentation	Statistics	Oral Presentation	Rebecca Nugent Class of '87	Statistics 2:00
Mann, Lara the Attraction of Forms//an Attraction to Form	Art	Visual Arts	Patricia Bellan-Gillen Connan	Art 3-5
Marmol, Victor Market-Based Coordination of Recharging Robots	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Mary Bernardine Dias McKenna	Robotics Institute 4:40
Marmol, Victor Market-Based Coordination of Recharging Robots	Computer Science	Poster Presentation	Mary Bernardine Dias Rangos 1 & 2/Sigma Xi Group 9	Robotics Institute 10:00
Marrero, Brooke Project Paperless	Drama	Oral Presentation	Tina Shackelford Pake	Drama 4:20
Marszalik, Agnieszka A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Civil and Environmental Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Martin, Theodore Systematic Testing of YFS	Electrical & Computer Engineering	Poster Presentation	Garth Gibson Wean Commons-1st Floor, Connan side	Computer Science 3-5

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Mather, Christopher Attention development in Children	Psychology	Poster Presentation	Anna Fisher Hoch Commons-2nd Floor, Window side	Psychology 12-2:30
Matsukata, Rentaro An Assessment on Current Methodology for Teaching Japanese	Electrical & Computer Engineering	Poster Presentation	Thomas Werner Rangos 1 & 2/Sigma Xi Group 8	Philosophy 10:30
Matsukata, Rentaro Design of a Modular Data Acquisition and Processing System	Electrical & Computer Engineering	Poster Presentation	Susan Finger Hoch Commons-2nd Floor, Rangos side	Civil and Environmenta... 3-5
Mayer, Ida Magical Realism in Modern Japanese Fiction: Dreaming in Isolation	Self-defined	Poster Presentation	Jane McCafferty Hoch Commons-2nd Floor, Rangos side	English 12-2:30
McCabe, Zachary FENCR Material Coating	Civil and Environmental Engineering	Poster Presentation	Larry Cartwright Rangos 3	Civil and Environmenta... 12-2:30
McCoy, Andrew Designing and Testing Fluorogen Activating Protein (FAP) Biosensors for Thrombin and Matrix Metalloproteinases	Biological Sciences	Poster Presentation	Peter Berget Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 11:00
McGuier, Devin PCIT and AF-CBT: Efficacy and Dissemination of Two Evidence Based Treatments for Disruptive Behavioral Disorders and Child Abuse	Biology and Psychology	Poster Presentation	Beth Christiano Zimick Rangos 1 & 2/Sigma Xi Group 8	Psychology 11:30
McKay, Matthew A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
McKay, Matthew Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
McKee, Laura Polymer encapsulated nanoscale zero-valent iron for ground water decontamination.	Chemical Engineering	Poster Presentation	Robert Tilton Rangos 3	Chemical Engineering 12-2:30
McKinney, Lachlan Zombie College Musical	Drama	Performing Arts	Kristina Straub McConomy Auditorium	English 11:00
Megretskaia, Dina Studying the Effect of Payment Medium on Spending	Economics	Oral Presentation	Elif Incekara Hafalir Pake	Economics 2:00
Meyer, Anna Grace Leave Only Footprints	Design	Visual Arts	Bruce Hanington Connan	Design 3-5
Michalczuk, Greta Saponin as a Naturally Derived Surfactant	Chemical Engineering	Poster Presentation	Robert Tilton Rangos 3	Chemical Engineering 12-2:30
Miciunas, Kaitlin EDitIBLE	Architecture	Poster Presentation	Pablo Garcia Hoch Commons-2nd Floor, Rangos side	Architecture 12-2:30
Mikhael, Bassem Student Consumption of Caffeine On Campus	Economics	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 12-2:30

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Mittal, Neha	Ethics, History & Public Policy		Laurie Eisenberg	History
The Female Crisis in the Democratic Republic of the Congo: The Persistence of Rape as a Weapon of War-1994-Present		Oral Presentation	Pake	3:20
Mo, Jingyi	Statistics		Peter Freeman	Statistics
The Connection Between Ultra High Energy Cosmic Rays and Active Galactic Nuclei		Poster Presentation	Kirr Commons-1st Floor, Window side	12-2:30
Mobbs, Ellene	English		James Daniels	English
Happiness as a Multi-voice Narrative		Visual Arts	Connan	3-5
Mok, Chun Wa	Mathematics		Rebecca Nugent	Statistics
Classroom Salon: Text Mining and Clustering		Poster Presentation	Wean Commons-1st Floor, Connan side	3-5
Morhard, Robert	Biomedical Engineering		Justin Crowley	Biological Sciences
Determination of Neuroanatomical Borders through the Use of Optical Imaging of Intrinsic Signals		Poster Presentation	Rangos 1 & 2/Sigma Xi Group 9	11:00
Morris, Natalie	Computer Science		William Whittaker	Robotics Institute
Attitude Control of a Lunar Lander Emulator		Poster Presentation	Wean Commons-1st Floor, Connan side	3-5
Murcek, Sarah	BHA		Annabelle Joseph	Music
"Eurhythmic" therapy: "Let the music move you" is not just a cheesy line from romance movies.		Oral Presentation	Class of '87	3:20
Murcek, Sarah	BHA		Annabelle Joseph	Music
Eurhythmic therapy: "Let the music move you" is not just a cheesy line from romance movies.		Oral Presentation		

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Musgrave, Richard Single Particle Coefficient of Restitution Studies: Experiments and Modeling	Mechanical Engineering	Poster Presentation	Cecil Higgs Hoch Commons-2nd Floor, Window side	Mechanical Engineering 3-5
Myers, Wesley Designing a Kicking Behavior for the NAO Robots	Electrical & Computer Engineering	SCS Independent Study (Poster Presentation only)	Manuela Veloso Wright	Computer Science 12-2:30
Myers, Wesley Designing an Attacker Behavior for the NAO Robots	Electrical & Computer Engineering	Poster Presentation	Manuela Veloso Hoch Commons-2nd Floor, Window side	Computer Science 12-2:30
Nagin, Emily Midnight Radio: a Short Story Collection	English	Oral Presentation	James Daniels Dowd	English 1:40
Nahass, Meghan iSTEP 2011: Uruguay	Social & Decision Sciences	Poster Presentation	Mary Bernardine Dias Rangos 1 & 2/Sigma Xi Group 9	Robotics Institute 10:30
Nangia, Siddharth SWANDRIVE - Smart Wireless Analysis Network for Driver Information and Vehicle Efficiency	Electrical & Computer Engineering	Poster Presentation	Philip Koopman Kirr Commons-1st Floor, Window side	Electrical & Computer ... 3-5
Niebuhr, Annelie Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Nighswander, Tyler Creating Relative Wine Taste Groupings via Machine Learning	Computer Science	Oral Presentation	Subha Das Peter	Chemistry 1:20

## 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Niu, Ya Qi An Assessment of 33% RPS in California and Projection of its position and CO2 Emissions from the Electricity Sector in 2020	Economics	Poster Presentation	Ines Azevedo Wean Commons-1st Floor, Connan side	Engineering and Public... 3-5
Noh, Andrew Center-out Decoding Using an Emotiv EEG Headset	Electrical & Computer Engineering	Poster Presentation	Tai-Sing Lee Rangos 1 & 2/Sigma Xi Group 6	Computer Science 11:15
Nowak, Kaitlyn Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Oksenhorn, Ryan Designing an Attacker Behavior for the NAO Robots	Computer Science	Poster Presentation	Manuela Veloso Hoch Commons-2nd Floor, Window side	Computer Science 12-2:30
Oksenhorn, Ryan Designing an Attacker Behavior for the NAO Robots	Computer Science	Poster Presentation	Manuela Veloso Hoch Commons-2nd Floor, Window side	Computer Science 12-2:30
Okumura, Go A Study on Students' Change of Majors, What They Choose and Why.	Mechanical Engineering	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5
Ondeck, Abigail Shape and Size Controlled Synthesis of Nanoparticulate Catalysts	Chemical Engineering	Poster Presentation	Nisha Shukla Kirr Commons-1st Floor, Window side	Physics 3-5
Ondeck, Matthew Magnetic Particle Composites for Flip-Chip Packaging	Materials Science Engineering	Poster Presentation	Michael McHenry Rangos 3	Materials Science Engi... 12-2:30

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Ondeck, Nathaniel Separation of Chiral Molecules Using Nanoparticles	Chemical Engineering	Poster Presentation	Nisha Shukla Hoch Commons-2nd Floor, Rangos side	Physics 3-5
Ornstein, Michael Exploration and Mapping of Unstructured Environments using an Autonomous Quadrotor	Mechanical Engineering	Oral Presentation	Sanjiv Singh Peter	Robotics Institute 1:40
Ornstein, Michael RobOrchestra Vibraphone Project	Mechanical Engineering	Poster Presentation	Roger Dannenberg Kirr Commons-1st Floor, Window side	Computer Science 12-2:30
Ota, Jonathan Increasing the Visual Presence of Bike Commuters At Night	Design	Poster Presentation	Stephen Stadelmeier Kirr Commons-1st Floor, Window side	Design 12-2:30
Palmer, Christopher Design of a Modular Data Acquisition and Processing System	Electrical & Computer Engineering	Poster Presentation	Susan Finger Hoch Commons-2nd Floor, Rangos side	Civil and Environmenta... 3-5
Panzitta, Michael Use of Time and Space Averaging to Model One-Dimensional Strain	Civil and Environmental Engineering	Poster Presentation	Kaushik Dayal Rangos 3	Civil and Environmenta... 12-2:30
Paoletti, Laura Animation and Rig Control	BCSA	SCS Independent Study (Poster Presentation only)	Wanda Dann Wright	Computer Science 12-2:30
Paoletti, Laura The Yarners: Waking Ugly	BCSA	Visual Arts	Edward Canaan Connan	Art 12-2:30

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Paris, Nicolas A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Paris, Nicolas Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Paris, Nicolas RobOrchestra Vibraphone Project	Electrical & Computer Engineering	Poster Presentation	Roger Dannenberg Kirr Commons-1st Floor, Window side	Computer Science 12-2:30
Park, Anna Understanding the Role of DEAD-Box Protein DRS1 in Ribosome Assembly	Biological Sciences	Poster Presentation	John Woolford Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 10:15
Park, Heejin Government Funding for the Vidusl Arts: Toward the Pluralism from the 1970s	BHA	Oral Presentation	M. Stephanie Murray Class of '87	BHA 4:00
Park, Young Jae Using the Crowd to Estimate Home Energy Use	Human Computer Interaction Inst.	SCS Independent Study (Poster Presentation only)	Jennifer Mankoff Wright	Human Computer Interac... 12-2:30
Patel, Sandeep The Impact of Manufacturing Offshore on Firm Technology Trajectories	Information Systems	Poster Presentation	Erica Fuchs Kirr Commons-1st Floor, Window side	Engineering and Public... 12-2:30
Patibanda, Subha Role of small RNA of unknown function (RUF6) in malaria pathogenesis	Biological Sciences	Poster Presentation	Kausik Chakrabarti Rangos 1 & 2/Sigma Xi Group 1	Chemistry 11:15

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Pattison, Richard Optimizing the Flexibility of a Chemical Plant Subject to Random Failures and Planned Maintenances	Chemical Engineering	Poster Presentation	Ignacio Grossman Rangos 3	Mechanical Engineering 12-2:30
Peaslee, Erica The Rising Adolescent Suicide Rate in Japan	Modern Languages	Oral Presentation	Yasufumi Iwasaki Class of '87	Modern Languages 12:40
Peng, Cynthia Hemispheric Differences in Higher-Order Object Processing and Effect of Expertise: Modular vs. Distributed Perspectives	Psychology	Oral Presentation	Marlene Behrmann Class of '87	Psychology 12:20
Peng, Cynthia The Zen Mozart: Effect of Mindfulness Meditation and Classical Music on Visuospatial Skills	Psychology	Poster Presentation	Lori Holt Rangos 1 & 2/Sigma Xi Group 8	Psychology 11:45
Perkins, Chloe Home is Behind, The World Ahead	English	Oral Presentation	Hilary Masters Dowd	English 12:20
Persaud, Sebastien Cytokine-induced changes in force generation in tendon cells	Chemical Engineering	Poster Presentation	Kris Dahl Rangos 3	Biomedical Engineering 12-2:30
Pianka, Timothy The Watter: A Crowd-Sourcing Application for Energy Management	Civil and Environmental Engineering	Poster Presentation	Mario Berges Wean Commons-1st Floor, Connan side	Civil and Environmenta... 12-2:30
Pierce, Alan Decision Problems on Iterated Length-Preserving Transducers	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Klaus Sutner McKenna	Computer Science 1:00

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Piper, Helen Investigation of poly(ADP-ribose) polymerase-1 (PARP-1) Inhibitor Binding by Mass Spectrophotometry	Chemistry	Poster Presentation	Mark Bier Hoch Commons-2nd Floor, Rangos side	Chemistry 3-5
Piston, Robert Chemotactic Separation of Human Epithelial and Fibroblast Cells Using a Microfluidic Channel	Mechanical Engineering	Poster Presentation	Philip LeDuc Rangos 3	Mechanical Engineering 12-2:30
Pollak, Calvin Ideographic Analysis of Israel Prime Minister Rhetoric during the 2008-09 armed conflict with Hamas in Gaza	English	Oral Presentation	David Kaufer Dowd	English 12:40
Poole, Benjamin Encoding Natural Priors in Neural Populations	Computer Science	Poster Presentation	Tai-Sing Lee Rangos 1 & 2/Sigma Xi Group 8	Computer Science 10:00
Poole, Benjamin Encoding natural priors in neural populations	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Tai-Sing Lee McKenna	Computer Science 3:20
Poonawala, Alia OPA! Greek Performance & Cooking Show	BSA	Oral Presentation	Jed Harris Class of '87	Drama 4:40
Potash, Rebecca Silver Containing Inks for use in Printed Electronics	Chemistry	Poster Presentation	Richard McCullough Rangos 1 & 2/Sigma Xi Group 5	Chemistry 11:15
Poznanski, Jakub Towards Efficient Multi-viewpoint Graphics	Computer Science	Poster Presentation	Adrien Treuille Wean Commons-1st Floor, Connan side	Computer Science 3-5

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Prasitthipayong, Anya Solder Magnetic Nanoparticles and their Reflow	Materials Science Engineering	Poster Presentation	Michael McHenry Kirr Commons-1st Floor, Window side	Materials Science Engi... 3-5
Prior, Devin Effect of Intralipid on Iron Oxide Particle Labeling of Immune Cells during Organ Rejection	Biological Sciences	Poster Presentation	Chien Ho Rangos 1 & 2/Sigma Xi Group 4	Biological Sciences 10:00
Pripstein, Eric Electron Band Edge Location in Semiconductors for use in Renewable Energy Applicable PEC Devices	Materials Science Engineering	Poster Presentation	Paul Salvador Hoch Commons-2nd Floor, Window side	Materials Science Engi... 12-2:30
Rachubo, Alisa On the Classification and Fitting Procedures of RR Lyrae, Supernovae, and Recurrent Novae	Physics	Poster Presentation	Richard Holman Hoch Commons-2nd Floor, Window side	Physics 3-5
Raffaele, Maria You say you want a revolution: The rhetoric of classical music educators	BHA	Oral Presentation	Ludmila Hyman Pake	English 3:40
Raghunathan, Mohit Determination of structure and properties of lipid membranes with the bioflavonoids genistein and daidzein using X-ray scattering and molecular dynamics simulations	Physics	Poster Presentation	Prof. Stephanie Tristram-Nagle Rangos 1 & 2/Sigma Xi Group 4	Physics 11:45
Raghunathan, Ram Design and Implementation of a Power-Aware Load Balancer	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Mor Harchol-Balter McKenna	Computer Science 1:20
Ramamurthy, Shilpa Walk on Interfaces	Computer Science	Poster Presentation	Scott Hudson Wean Commons-1st Floor, Connan side	Human Computer Interac... 3-5

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Rappin, Nicole	BHA		Robert Fallon	Music
Music and Social Change: Carlos Mejia Godoy and the Nicaraguan Revolution		Oral Presentation	Pake	1:40
Rednor, Michael	Statistics		Peter Freeman	Statistics
The Connection Between Ultra High Energy Cosmic Rays and Active Galactic Nuclei		Poster Presentation	Kirr Commons-1st Floor, Window side	12-2:30
Reed, Rebecca	BSA		Paul Whitmore	Chemistry
Determining Rate of Acid Production in Cellulose Based Paper		Poster Presentation	Hoch Commons-2nd Floor, Window side	3-5
Rice, Anthony	Materials Science Engineering		Michael McHenry	Materials Science Engi...
Torsional Magnetoelastic Deformation of Ferrogels		Poster Presentation	Rangos 3	12-2:30
Rife, Shane	Civil and Environmental Engineering		Mario Berges	Civil and Environmenta...
The Watter: A Crowd-Sourcing Application for Energy Management		Poster Presentation	Wean Commons-1st Floor, Connan side	12-2:30
Robb, Andrew	Philosophy		Mary Jo Miller	Social & Decision Scie...
A Defining Conflict: The Obama Administration vs. The Robert's Court		Oral Presentation	Pake	1:00
Rose, Harrison	Biomedical Engineering		Sanjiv Singh	Robotics Institute
Exploration and Mapping of Unstructured Environments using an Autonomous Quadrotor		Oral Presentation	Peter	1:40
Ross, Stephanie	Art		Patricia Bellan-Gillen	Art
Best In Show		Visual Arts	Connan	12-2:30

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Rothera, Alexander Zombie College Musical	Art	Performing Arts	Kristina Straub McConomy Auditorium	English 11:00
Routh, Gabriel RR - A Novel	English	Poster Presentation	Sharon Dilworth Hoch Commons-2nd Floor, Rangos side	English 12-2:30
Royce, Michael Photography and the American Family	Art	Visual Arts	Patricia Bellan-Gillen Connan	Art 3-5
Rudnick, Elizabeth Second Harvest (previously PUSH)	Art	Visual Arts	Patricia Bellan-Gillen Connan	Art 3-5
Sakhuja, Maneesha Understanding Conformational Changes in Opioid Receptors upon Ligand Binding	Science and Humanities Scholars	Poster Presentation	Manojkumar Puthenveedu Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 12:00
Salazar, Jesse Wi-Fi Triangulation Using RSSI	Electrical & Computer Engineering	Poster Presentation	Ananda Gunawardena Kirr Commons-1st Floor, Window side	Computer Science 3-5
Sasinoski, Megan Homicide Trends in America, 1850-1950	Economics	Poster Presentation	Karen Clay Hoch Commons-2nd Floor, Rangos side	Economics 12-2:30
Sathaye, Deepa Efficient Software for Tree Reconciliation	Computer Science	Poster Presentation	Dannie Durand Hoch Commons-2nd Floor, Rangos side	Biological Sciences 3-5

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Schervish, Margaret Identifying Reasoning in Discussions through Phonetics	Computer Science	Poster Presentation	Carolyn Rose Wean Commons-1st Floor, Connan side	Language Technologies ... 12-2:30
Schmitt, Michael Creating Polymer Grafts to CdSe Quantum Dots for Use in Light-Emitting and Photovoltaic Nanocomposites with Emphasis on Understanding the Polymer-Surface Morphology	Materials Science Engineering	Poster Presentation	Robert Davis Hoch Commons-2nd Floor, Window side	Materials Science Engi... 3-5
Schrank, Sophia Jean Cocteau's Orpheus (play)	Drama	Performing Arts	Jed Harris McConomy Auditorium	Drama 10:30
Severson, Kristen Optimal production of biodiesel from the transesterification of algal oil using bioethanol	Chemical Engineering	Poster Presentation	Ignacio Grossman Rangos 1 & 2/Sigma Xi Group 6	Mechanical Engineering 12:00
Sexton, John A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Sexton, John Modeling the Relationship between the Subcellular Location Patterns of Co-observed Proteins	Electrical & Computer Engineering	Poster Presentation	Robert Murphy Rangos 3	Biological Sciences 12-2:30
Sexton, John Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Shah, Pooja Cultural Influences and New Programs Affecting Women in Technology	Information Systems	Poster Presentation	Jeria Quesenberry Hoch Commons-2nd Floor, Rangos side	Information Systems 12-2:30

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Shah, Tejank A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Materials Science Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Shah, Tejank Feasibility Study of Campus-Installed Energy-Harvesting Walkway	Materials Science Engineering	Poster Presentation	Michael Bockstaller Wean Commons-1st Floor, Connan side	Materials Science Engi... 3-5
Sharma, Rajeev Wi-Fi Triangulation Using RSSI	Electrical & Computer Engineering	Poster Presentation	Ananda Gunawardena Kirr Commons-1st Floor, Window side	Computer Science 3-5
Shedlosky, Michael FENCR Material Coating	Civil and Environmental Engineering	Poster Presentation	Larry Cartwright Rangos 3	Civil and Environmenta... 12-2:30
Shibuya, Kelly Analysis of APC2 Phosphorylation on Actin Furrow Formation in the Drosophila Syncytial Embryo	Biological Sciences	Poster Presentation	Brooke McCartney Rangos 1 & 2/Sigma Xi Group 2	Biological Sciences 10:00
Shin, Hee Yeon Consumer Responses to 2009-2010 Toyota Camry Recall: Insights from NHTSA Complaints Database	Social & Decision Sciences	Poster Presentation	Paul Fischbeck Hoch Commons-2nd Floor, Rangos side	Social & Decision Scie... 3-5
Shope, Daniel Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Mechanical Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Shoup, John Faculties Attitude toward Plus/Minus Grading System	Statistics	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Shukla, Karpur Dynamic Monte Carlo Renormalization Group	Statistics	Poster Presentation	Robert Swendsen Hoch Commons-2nd Floor, Window side	Physics 3-5
Shung, Wendy Accurate EKG lead placement	Biomedical Engineering	Poster Presentation	Asim Smailagic Rangos 3	Electrical & Computer ... 12-2:30
Siewert, Katherine Uncovering Domain Shuffling in the MAGUK Protein Family with Protein Domain Trees	Biological Sciences	Poster Presentation	Dannie Durand Hoch Commons-2nd Floor, Rangos side	Biological Sciences 12-2:30
Sinder, Adam Elucidating Growth Rates of the Perennial Herbaceous Plant Maianthemum	Biological Sciences	Poster Presentation	Rangos 1 & 2/Sigma Xi Group 1	11:45
Sindler, Stephanie Survey of Carnegie Mellon Faculty Regarding Attendance Policy and Student Performance	Economics	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 3-5
Singh, Kyra The Connection Between Ultra High Energy Cosmic Rays and Active Galactic Nuclei	Economics and Statistics	Poster Presentation	Peter Freeman Kirr Commons-1st Floor, Window side	Statistics 12-2:30
Sittler, Lauren A Feasibility Study of Bio-Gas Digesters and Composting Systems at Carnegie Mellon University	Chemical Engineering	Poster Presentation	Paulina Jaramillo Rangos 1 & 2/Sigma Xi Group 5	Engineering and Public... 11:45
Smith, Mackenzie The Appalachian Trail: Understanding its Impact and Meaning in Pennsylvania Communities	English	Oral Presentation	Jane McCafferty Peter	English 3:20

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Smith, Mackenzie The Naked Note Taker	English	Oral Presentation	Jane McCafferty Peter	English 3:40
Smongeski, Edward Modeling of Planar Flow Casting Process for Efficiency in Synthesizing Magnetic Ribbon	Chemical Engineering	Poster Presentation	Michael McHenry Hoch Commons-2nd Floor, Window side	Materials Science Engi... 12-2:30
Snyder, Nathaniel Using Pex For C# In Teaching C0	Computer Science	SCS Independent Study (Poster Presentation only)	Frank Pfenning Wright	Computer Science 3-5
So, Woong Young Emission Properties of Polyfluorene Monomers and Aggregates	Chemistry	Poster Presentation	Linda Peteanu Hoch Commons-2nd Floor, Rangos side	Chemistry 12-2:30
So, Woong Young Investigation of Transparent Multilayer Films	Chemistry	Poster Presentation	Lisa Porter Hoch Commons-2nd Floor, Window side	Materials Science Engi... 12-2:30
Soderholm, Margaret Undergraduate Involvement at Carnegie Mellon University	Ethics, History & Public Policy	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Sofman, Marianna Investigating Antibody-Magnetic Nanoparticle Complexes for Attachment to Tissue Scaffolds	Materials Science Engineering	Poster Presentation	Michael McHenry Rangos 3	Materials Science Engi... 12-2:30
Soh, Howard Cue weighting in speech categorization based on short-term cue variabilities	Biology and Psychology	Poster Presentation	Lori Holt Kirr Commons-1st Floor, Window side	Psychology 12-2:30

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Solomon, Elizabeth	Art		Ayanah Moor	Art
Area		Visual Arts	Connan	3-5
Sourbeer, John	Civil and Environmental Engineering		Jeanne VanBriesen	Civil and Environmenta...
Estimating the Ecological Integrity of a Stream from a Water Quality Perspective: Using Dunkard Creek as a Case Study		Poster Presentation	Rangos 3	12-2:30
Sperger, John	Social & Decision Sciences		Brian Junker	Statistics
Accuracy of Pittsburgh Bus Timetables Used by CMU Students		Poster Presentation	Wean Commons-1st Floor, Connan side	12-2:30
Sridhar, Prashant	Undecided		George Kantor	Robotics Institute
A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony		Poster Presentation	Hoch Commons-2nd Floor, Rangos side	3-5
Sridhar, Prashant	Undecided		George Kantor	Robotics Institute
Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony		Poster Presentation	Rangos 1 & 2/Sigma Xi Group 7	11:30
Staab, Kristen	BHA		M. Stephanie Murray	BHA
TODAY, I		Visual Arts	Connan	12-2:30
Stearns, Jason	Biological Sciences			
Heme Oxygenase Expression Under Various Conditions of Oxidative Stress and Lipid Exposure in Rat Liver Sinusoidal Endothelial Cells and Human Microvascular Endothelial Cells.		Poster Presentation	Rangos 1 & 2/Sigma Xi Group 2	11:45
Stein, Itai	Materials Science Engineering		Mohammad Islam	Chemical Engineering
Carbon Nanotube Aerogel Based Conducting Polymer Composites		Poster Presentation	Rangos 1 & 2/Sigma Xi Group 5	12:00

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Stephens, Shannon Fumbling in the Marrow: Poems by Shannon Azzato Stephens	English	Oral Presentation	Yona Harvey Dowd	English 4:00
Stonestrom, David Measuring Fractional Coverage of a Powder Lubricant Transfer Film in a Sliding Contact	Mechanical Engineering	Poster Presentation	Cecil Higgs Rangos 3	Mechanical Engineering 12-2:30
Sun, Je Woo Undergraduate Prospects After Graduation	Statistics	Poster Presentation	Brian Junker Rangos 1 & 2/Sigma Xi Group 8	Statistics 12:00
Sundaresan, Neereja Parameterizable On-Chip Communication Synthesis for Multi-Core Systems	Electrical & Computer Engineering	Poster Presentation	Diana Marculescu Rangos 1 & 2/Sigma Xi Group 9	Electrical & Computer ... 11:15
Sung, Jennifer Undergraduate Involvement at Carnegie Mellon University	Social & Decision Sciences	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Suresh, Shweta Impact of Social Risk Aversion and Audience Effects on Generosity to the Poor	Economics	Oral Presentation	Christina Fong Pake	Social & Decision Scie... 1:20
Suveepattananont, Apaorn Action Inferences from Given Scenarios Using Scone Knowledge-Base System: Kitchen Ontology	Computer Science	SCS Independent Study (Poster Presentation only)	Scott Fahlman Wright	Language Technologies ... 12-2:30
Swierkocki, Christina Undergraduate Involvement at Carnegie Mellon University	Statistics	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Tabib, Wennie Customization of Mobile Phone Games for Enhancing English Literacy	Computer Science	Poster Presentation	Mary Bernardine Dias Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Tabib, Wennie Lunar Rover Navigation	Computer Science	Poster Presentation	William Whittaker Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:15
Tam, Cze-Ja Sitting for Success: The Effect of Self-Embodied Cognition on Stereotype Threat	Psychology	Poster Presentation	John Creswell Kirr Commons-1st Floor, Window side	Psychology 12-2:30
Tamrat, Hermona A Case Study of Gustav Lindenthal's Smithfield Street Bridge in Pittsburgh	Civil and Environmental Engineering	Poster Presentation	Sarah Christian Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 12-2:30
Tan, Bao Hong Learning Classifiers from a Relational Database of Tutor Logs	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Jack Mostow McKenna	Robotics Institute 4:20
Tang, Erika Undergraduate Prospects After Graduation	Economics	Poster Presentation	Brian Junker Rangos 1 & 2/Sigma Xi Group 8	Statistics 12:00
Tang, Zhiyi Undergraduate Prospects After Graduation	Statistics	Poster Presentation	Brian Junker Rangos 1 & 2/Sigma Xi Group 8	Statistics 12:00
Tavlarakis, Antonios Using Simulations to Reduce Distortions in Mice Brain Images	Mathematics	Poster Presentation	William Eddy Rangos 1 & 2/Sigma Xi Group 9	Statistics 11:30

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Tempel, Caulder Israeli Assistance and Biafran Resistance: A Special Relationship, 1967-1970	Science and Humanities Scholars	Oral Presentation	Laurie Eisenberg Peter	History 4:00
Teo, Vincent Mobile Cloud Computing for Data-Intensive Applications	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	Priya Narasimhan Peter	Electrical & Computer ... 12:00
Tesone, Alena Virtual Possessions Project	Design	Poster Presentation	William Odom Hoch Commons-2nd Floor, Window side	Human Computer Interac... 3-5
Thompson, Jasper The Kinetics and Reactivity of Fe(O)V-TAML	Chemistry	Poster Presentation	Terrence Collins Rangos 1 & 2/Sigma Xi Group 5	Chemistry 11:30
Thrift, Hudson Creating Relative Wine Taste Groupings via Machine Learning	Computer Science	Oral Presentation	Subha Das Peter	Chemistry 1:20
Titus, Godwina akoma	Social & Decision Sciences	Visual Arts	Edda Fields-Black Connan	History 12-2:30
Todd, Thomas Investigation of the results from the Content Focusing Coaching study and evaluating alternative Hierarchical Models.	Statistics	Poster Presentation	Rebecca Nugent Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Tomaszewski, Christopher Fire Identification and Localization for Autonomous Firefighting Robotics	Mechanical Engineering	Poster Presentation	Illah Nourbakhsh Kirr Commons-1st Floor, Window side	Robotics Institute 3-5

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Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Tomovich, Michael Power for Lunar Surface Systems	Electrical & Computer Engineering	Poster Presentation	William Whittaker Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:45
Trejo, Adrian Managing On-demand, Transient Virtual Machines	Computer Science	Poster Presentation	David O'Hallaron Rangos 1 & 2/Sigma Xi Group 8	Computer Science 10:15
Trocha, Peter Parametric Study of Soil-Structure Interaction Effects	Civil and Environmental Engineering	Poster Presentation	Jacobo Bielak Rangos 3	Civil and Environmenta... 12-2:30
Trocha, Peter Sheared Suspensions near Random Close Packing	Civil and Environmental Engineering	Poster Presentation	Craig Maloney Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 12-2:30
Turkson, Efi akoma	English	Visual Arts	Edda Fields-Black Connan	History 12-2:30
Turner, Eric Error Analysis Supporting Logic in Memory Implementation of Polar Format Algorithm for Synthetic Aperture Radar	Electrical & Computer Engineering	Poster Presentation	Franz Franchetti Rangos 3	Electrical & Computer ... 12-2:30
Upadhyay, Akshay Increasing reliability: Attracting more clients to microfinance institutions	Statistics	Oral Presentation	Stephen Spear Peter	Economics 1:00
Vaidya, Akanksha Investigation of the activity dependent expression of the 4 subunit of the BK channel	Biological Sciences	Poster Presentation	Alison Barth Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 10:45

# 2011 Schedule by Student Name

Undergraduate Research Office

STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Vemuri, Vinay A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Vemuri, Vinay Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Venkat, Sharanya Synthesis and Characterization of Biodegradable Polymers	Chemical Engineering	Poster Presentation	Christopher Bettinger Kirr Commons-1st Floor, Window side	Materials Science Engi... 3-5
Venkatesh, Priyanka Effects of Fluid Shear Stress on Heterochromatin Regulation in Endothelial Cells	Biological Sciences	Poster Presentation	Kris Dahl Rangos 1 & 2/Sigma Xi Group 7	Biomedical Engineering 10:00
Venkatesh, Shriya The Role of Diaphanous in the Drosophila Syncytial Embryo	Biological Sciences	Poster Presentation	Brooke McCartney Rangos 1 & 2/Sigma Xi Group 2	Biological Sciences 10:45
Wahawisan, James Exploration and Mapping of Unstructured Environments using an Autonomous Quadrotor	Electrical & Computer Engineering	Oral Presentation	Sanjiv Singh Peter	Robotics Institute 1:40
Wai, Sebastian Tracking Semiconductor Inventors in Silicon Valley and Beyond	Science and Humanities Scholars	Oral Presentation	Steven Klepper Pake	Social & Decision Scie... 4:00
Walker, Emily Novel Solder-Magnetic Nanoparticle Composites and Their Reflow Using AC Magnetic Fields	Materials Science Engineering	Poster Presentation	Michael McHenry Kirr Commons-1st Floor, Window side	Materials Science Engi... 12-2:30

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Wallnau, Zachary Aberration	Art	Visual Arts	Patricia Bellan-Gillen Connan	Art 12-2:30
Wan, Nathan Kernel Accommodations for I/O intensive Workloads	Computer Science	SCS Honors Thesis (Poster Presentation and Oral Presentation)	David Andersen McKenna	Computer Science 4:00
Wang, Amy Structure-Function Analysis of Adenosine Deaminase that Acts on RNA (ADAR) Substrates	Biological Sciences	Poster Presentation	Mark Macbeth Rangos 1 & 2/Sigma Xi Group 4	Biological Sciences 11:15
Wang, Bizhou Buildings in Limbo - Informal Cities of the Future	Architecture	Visual Arts	Art Lubetz Connan	Architecture 3-5
Wang, Chao Accuracy of Pittsburgh Bus Timetables Used by CMU Students	Electrical & Computer Engineering	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Wang, Daisy Analysis of the Thermal Performance of Green Roofs	Civil and Environmental Engineering	Poster Presentation	David Dzombak Rangos 3	Civil and Environmenta... 12-2:30
Wang, Dunyang A Study on Students' Change of Majors, What They Choose and Why.	Materials Science Engineering	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5
Wang, Michael Restaurant Data use in Natural Language Processing	Computer Science	Poster Presentation	Natalie Smith Hoch Commons-2nd Floor, Rangos side	Computer Science 3-5

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Warren, Carter Existing Undefined	Art	Visual Arts	Clayton Merrell Connan	Art 12-2:30
Wasserman, Benjamin A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Wasserman, Benjamin Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Watt, Chin Shu Delivery of siRNA Using Cationic Nanostructured Star Polymers to Prevent Cell Differentiation to Bone	Chemical Engineering	Poster Presentation	Jeffrey Hollinger Hoch Commons-2nd Floor, Window side	Biological Sciences 3-5
Weber, Chelsea Functional Analysis of Essential Genes in Candida albicans	Biological Sciences	Poster Presentation	Aaron Mitchell Rangos 1 & 2/Sigma Xi Group 3	Biological Sciences 11:30
Wedler, Robert Design of a Modular Data Acquisition and Processing System	Electrical & Computer Engineering	Poster Presentation	Susan Finger Hoch Commons-2nd Floor, Rangos side	Civil and Environmenta... 3-5
Weisman, Quinn Differential Expression of Genes Involved in Skeletogenesis in the Sea Urchin	Biological Sciences	Poster Presentation	Charles Ettensohn Rangos 1 & 2/Sigma Xi Group 2	Biological Sciences 11:00
Welmond, Benjamin Zombie College Musical	Art	Performing Arts	Kristina Straub McConomy Auditorium	English 11:00

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Wesson, Andrew Radiative Cooling In Astrophysical Magneto-Hydrodynamics Simulations	Physics	Poster Presentation	Kunal Ghosh Rangos 1 & 2/Sigma Xi Group 6	Physics 10:45
Williams, Mark A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Williams, Mark Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Electrical & Computer Engineering	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Wu, Tian Accuracy of Pittsburgh Bus Timetables Used by CMU Students	Business Administration	Poster Presentation	Brian Junker Wean Commons-1st Floor, Connan side	Statistics 12-2:30
Xu, Amber Center-out Decoding Using an Emotiv EEG Headset	Electrical & Computer Engineering	Poster Presentation	Tai-Sing Lee Rangos 1 & 2/Sigma Xi Group 6	Computer Science 11:15
Xu, Joyce Adsorption of anionic surfactants in silica nanoparticles grafted with poly(2-(dimethylamino)ethyl methacrylate) brushes	Chemical Engineering	Poster Presentation	Robert Tilton Rangos 3	Chemical Engineering 12-2:30
Yan, Kenneth Delivery of siRNA Using Cationic Nanostructured Star Polymers to Prevent Cell Differentiation to Bone	Chemical Engineering	Poster Presentation	Jeffrey Hollinger Hoch Commons-2nd Floor, Window side	Biological Sciences 3-5
Yao, Yinglu Exploring Learning Rates: Do Students Learn at Different Rates?	Statistics	Poster Presentation	Rebecca Nugent Kirr Commons-1st Floor, Window side	Statistics 12-2:30

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Yeo, Young Characterizing the Critical Structures in Kinesin Regulation by Fluorescence Spectroscopy	Chemistry	Poster Presentation	David Hackney Hoch Commons-2nd Floor, Rangos side	Biological Sciences 12-2:30
Yingling, Leah The characterization of lead free solders and the relation to magnetic nanoparticles used in biomedical applications	Materials Science Engineering	Poster Presentation	Michael McHenry Wean Commons-1st Floor, Connan side	Materials Science Engi... 12-2:30
Yoshikawa, Alexander Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Yoshikawa, Alexander Rheology of Pickering Emulsions and Colloidosome Synthesis	Chemical Engineering	Poster Presentation	Robert Tilton Hoch Commons-2nd Floor, Window side	Chemical Engineering 12-2:30
Yu, Karen An Assessment of 33% RPS in California and Projection of its position and CO2 Emissions from the Electricity Sector in 2020	Civil and Environmental Engineering	Poster Presentation	Ines Azevedo Wean Commons-1st Floor, Connan side	Engineering and Public... 3-5
Yu, Karen Effect of Silver Nanoparticles on Bacterial Populations	Civil and Environmental Engineering	Poster Presentation	Greg Lowry Rangos 1 & 2/Sigma Xi Group 5	Civil and Environmenta... 10:15
Yuan, Amy Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Zhang, Amy A Case Study of Gustav Lindenthal's Smithfield Street Bridge in Pittsburgh	Civil and Environmental Engineering	Poster Presentation	Sarah Christian Hoch Commons-2nd Floor, Window side	Civil and Environmenta... 12-2:30

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Zhang, Kewei The Ultra-High-Energy Cosmic Ray -- Active Galactic Nucleus Connection	Science and Humanities Scholars	Poster Presentation	Peter Freeman Kirr Commons-1st Floor, Window side	Statistics 3-5
Zhang, Minghui Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Zhao, Kevin Distributed Power Manager	Computer Science	Poster Presentation	Mor Harchol-Balter Hoch Commons-2nd Floor, Rangos side	Computer Science 12-2:30
Zhu, Cindy The Role of Diaphanous in the Drosophila Syncytial Embryo	Biological Sciences	Poster Presentation	Brooke McCartney Rangos 1 & 2/Sigma Xi Group 2	Biological Sciences 10:45
Zhu, Wentian A Study on Students' Change of Majors, What They Choose and Why.	Science and Humanities Scholars	Poster Presentation	Brian Junker Kirr Commons-1st Floor, Window side	Statistics 3-5
Zhu, Xiaoyu Exploring Learning Rates: Do Students Learn at Different Rates?	Economics and Statistics	Poster Presentation	Rebecca Nugent Kirr Commons-1st Floor, Window side	Statistics 12-2:30
Zhu, Ziyi Design and Development of Fuel Cell and Pressure Based Cars	Chemical Engineering	Poster Presentation	James Miller Hoch Commons-2nd Floor, Rangos side	Chemical Engineering 12-2:30
Zimmerman, David Undergraduate Prospects After Graduation	Statistics	Poster Presentation	Brian Junker Rangos 1 & 2/Sigma Xi Group 8	Statistics 12:00

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STUDENT, TITLE	DEPARTMENT	CLASS, TIME	ADVISOR, ROOM	ADVISOR DEPARTMENT, TIME
Zirbel, Alexander A Calibration Platform for Achieving Sensor Accuracy in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Hoch Commons-2nd Floor, Rangos side	Robotics Institute 3-5
Zirbel, Alexander Exploration and Mapping of Unstructured Environments using an Autonomous Quadrotor	Computer Science	Oral Presentation	Sanjiv Singh Peter	Robotics Institute 1:40
Zirbel, Alexander Navigating Dynamic Traffic Environments in a Low-Cost Robot Colony	Computer Science	Poster Presentation	George Kantor Rangos 1 & 2/Sigma Xi Group 7	Robotics Institute 11:30
Zuerndorfer, Sarah Structural Analysis of Crystal Violet Binding Single Gene Variable Fragments by NMR	Biological Sciences	Poster Presentation	Gordon Rule Rangos 1 & 2/Sigma Xi Group 4	Biological Sciences 10:45

TOTAL STUDENTS: 492