



Student Professional Development Conference (SPDC)

April 14, 2007

Host: New Jersey Institute of Technology, Newark, NJ

Preliminary Schedule

8:30 -9:00 am	Registration / Check-In & Breakfast	Campus Center Atrium
9:05 am	Welcome and Opening Remarks	Campus Center Atrium
9:30 am	Old Guard Oral Competition Begins	Campus Center Atrium
9:30 am	Old Guard Technical Web Page Competition	Campus Center Atrium
10:30 am	Design Contest Inspection Begins - All entries must be submitted by this time	Campus Center Atrium
10:40 am	Old Guard Poster Competition - all entries must be submitted & set-up by this time	Campus Center Atrium
12:15 pm	Buffet Style Lunch	Campus Center Atrium
12:30 pm	Student Section Advisors' Meeting	Campus Center Atrium
1:00 pm	Student Design Contest begins	Campus Center Atrium
1:00 pm	Old Guard Oral Competition Resumes	Campus Center Atrium
3:30 pm	Afternoon Break, Cookies and Soda	Campus Center Atrium
4.00 pm	SSC Election	Campus Center Atrium
4.30 pm	Awards and Closing Ceremony	Campus Center Atrium

Campus Center (Campus Map #2) ... Parking Deck (Campus Map #19)

[Parking Map](#) - This map has street names on it (Parking Deck is next to Lot#3).

April 14, 2007

Host: New Jersey Institute of Technology, Newark, NJ

Old Guard Oral Presentation Competition

<p>City College of New York - CUNY Doug Jahnke Domestic Windpower Contribution to the Zero-Energy House</p>	<p>City College of New York - CUNY Ibrahim Sezer Designing A Cooling System For Cell Phone Tower Cabinets</p>
<p>Drexel University Daniel Lang "E-Z Pass Compatible Tire Inspection System"</p>	<p>New Jersey Institute of Technology Joesph Gradzki Design and Development of a Disc Brake Installation Tool</p>
<p>New Jersey Institute of Technology Thomas Kievit Extendable Leg Walker</p>	<p>Rowan University - College of Engrg Paul Diercksen Development of A Micro-Fuel for Cellular Phone Applications</p>
<p>Rowan University - College of Engrg Terry Hopley The Application of Engineering Coursework in SAE Student Vehicle Competitions</p>	<p>Stevens Institute of Technology Thomas Donlon The Heart Pump: Support for your Heart</p>
<p>Stevens Institute of Technology Hesham Ismail The Rebirth of the Original Formula SAE Champion</p>	<p>University of Technology – Jamaica Monique McLaughlin As engineers to what extent should we as a body be involved in the implementation of ISO 9000 and ISO 14000</p>
<p>Villanova University Gerard Hubert Micro Hydel Power Generation</p>	<p>Villanova University John Duda Flow Visualization of a Round Jet Impinging on a Protruding</p>



Student Professional Development Conference (SPDC)

April 14, 2007

Host: New Jersey Institute of Technology, Newark, NJ

COMPETITIONS

Old Guard Oral Presentation Competition

City College of New York - CUNY Doug Jahnke Domestic Windpower Contribution to the Zero-Energy House	City College of New York - CUNY Ibrahim Sezer Designing A Cooling System For Cell Phone Tower Cabinets
Drexel University Daniel Lang "E-Z Pass Compatible Tire Inspection System"	New Jersey Institute of Technology Joesph Gradzki Design and Development of a Disc Brake Installation Tool
New Jersey Institute of Technology Thomas Kievit Extendable Leg Walker	Rowan University - College of Engrg Paul Diercksen Development of A Micro-Fuel for Cellular Phone Applications
Rowan University - College of Engrg Terry Hopley The Application of Engineering Coursework in SAE Student Vehicle Competitions	Stevens Institute of Technology Thomas Donlon The Heart Pump: Support for your Heart
Stevens Institute of Technology Hesham Ismail The Rebirth of the Original Formula SAE Champion	University of Technology – Jamaica Monique McLaughlin As engineers to what extent should we as a body be involved in the implementation of ISO 9000 and ISO 14000
Villanova University Gerard Hubert Micro Hydel Power Generation	Villanova University John Duda Flow Visualization of a Round Jet Impinging on a Protruding

OLD GUARD ORAL PRESENTATION COMPETITION

PLACE	PRIZE	NAME / SCHOOL	PRESENTATION TITLE
FIRST	\$500*	Doug Jahnke City College of New York	Domestic Windpower Contribution to the Zero-Energy House
SECOND	\$150	Gerard Hubert Villanova University	Micro Hydel Power Generation
THIRD	\$100	John Duda Villanova University	Flow Visualization of a Round Jet Impinging on a Protruding Pedestal
FOURTH	\$50	Daniel Lang Drexel University	E-Z Pass Compatible Tire Inspection System
FIFTH	\$25 (Optional) Certificate	Thomas Kievit New Jersey Institute of Technology	Extendable Leg Walker
BEST TECHNICAL	\$50	Doug Jahnke City College of New York – CUNY	Domestic Windpower Contribution to the Zero-Energy House
ALL CONTESTANTS	FIRST YEAR UPGRADE DUES PAYMENT AND CERTIFICATE OF PARTICIPATION		

*CERTIFICATE FOR WINNER AND CERTIFICATE FOR SCHOOL OF WINNER. PLUS SUBSIDY TO ATTEND ASME MECHANICAL ENGINEERING CONGRESS & EXPOSITION (IMECE OR CONGRESS), NOVEMBER 4-10-17, 2007 IN SEATTLE, WASHINGTON, TO COMPETE IN THE INTERNATIONAL COMPETITION



Student Professional Development Conference (SPDC)

April 14, 2007

Host: New Jersey Institute of Technology, Newark, NJ

Old Guard Technical Poster Competition

City College of New York Global Issues "Haridayal Jaswal"	College of Staten Island Soumitri Seshadri Combustion of off-stoichiometric AlMoO ₃ nanocomposite powders in dry air
New Jersey Institute of Technology Hiren Mehta Design Analysis Of A Self Tapping Screw Boss	New Jersey Institute of Technology Jorge Luis Hedian The Smart Crutches
Rowan University - College of Engrg Kim Swanseen Advanced Flowfield Design for Feul Cell Visualization	Rowan University - College of Engineering Xavier Rose Development of the 2007 Rowan SAE Baja Vehicle
Stevens Institute of Technology Murat Kocak Pill Bottle Opener	Stevens Institute of Technology Chloe Weck Hydroelectric System Design
U.S. Naval Academy Natalie Alford Rapid Metal Prototyping for Navy Applications	

OLD GUARD TECHNICAL POSTER COMPETITION

PLACE	PRIZE	NAME / SCHOOL	POSTER TITLE
FIRST	\$200*	Soumitri Seshadri College of Staten Island	Combustion of off-stoichiometric AlMoO ₃ nanocomposite powders in dry air
ALL CONTESTANTS	FIRST YEAR UPGRADE DUES PAYMENT AND CERTIFICATE OF PARTICIPATION		
*CERTIFICATE FOR WINNER AND CERTIFICATE FOR SCHOOL OF WINNER			

Old Guard Technical Web Page Competition

City College of New York Global Issues "Haridayal Jaswal"	College of Staten Island Ben Tsui CSI ASME Club Official Site
Rowan University - College of Engineering Nicholas Johnson Rowan University ASME Student Chapter	Stevens Institute of Technology Nicholas Strand Engineers Without Borders
Stevens Institute of Technology William Indoe Pill Bottle Opener Development Web Site	

OLD GUARD TECHNICAL WEB PAGE COMPETITION

PLACE	PRIZE	NAME / SCHOOL	WEB PAGE TITLE
FIRST	\$200*	Nicholas Strand Stevens Institute of Technology	Engineers Without Borders
ALL CONTESTANTS	CERTIFICATE OF PARTICIPATION		
*CERTIFICATE FOR WINNER AND CERTIFICATE FOR SCHOOL OF WINNER			



Student Professional Development Conference (SPDC)

April 14, 2007

Host: New Jersey Institute of Technology, Newark, NJ

Student Design Contest

Borough of Manhattan Community College Brian Weeks, Jonas Fields, Henry Lin (Au Ming Chung)	City College of New York (CUNY) Distillation Supreme Kendra Alkins, Romaine Edwards
City College of New York (CUNY) Distiller Kevin Pendley, Regina Kuznetsova	College of New Jersey TCNJ Brass Bomber Thomas Barkley, Jr., Paul Carcich
College of Staten Island The Distillator Ilya Furer, Filippo Incorvaia, Dwayne Campbell, Camilo Galeano	Drexel University Water Still Matt Sera, Josh Verdieck, Roy Gross, Sean Kennedy
Fairleigh Dickinson University Lone Boiler Dennis Brooks, Michael Edgein, Daniel De Avila	New Jersey Institute of Technology The Beast Rajen Patel, Stefan Fernandez, Paul Van Noordt Thomas Ziegler
New Jersey Institute of Technology ? Purifier Michael A. Davila, Vilma L. Suarez	New Jersey Institute of Technology Human Powered Vacuum Distiller (HPVD) Matthew Schaefer, Ben Angeli, Dominick Brandow John Westenberger
Stevens Institute of Technology Mechanical Distiller Jerry Dutreuil, Diego Mugurusa, Juan Rodriguez	Stevens Institute of Technology D-Still Alexander Smith, Harold Cook, Christopher Swartz, Peter Beneski
SUNY - Maritime College Human Powered Distiller Dinesh Kewalramani, Mahder Tewelde, Thomas Phaviere, Ayoub Yousif	University of Technology - Jamaica HyperDistiller Omar Cooke, Mark Williams, Marcel Wright Carlos Pitter
U.S. Naval Academy Human Powered Water Distiller Wesley Lyons, Timothy Harper, Matthew Scorcio, Jerome Roubieu	

STUDENT DESIGN COMPETITION

PLACE	PRIZE	NAME	SCHOOL
FIRST	\$200* + TROPHY	Brian Weeks, Jonas Fields, Henry Lin (Au Ming Chung)	Borough of Manhattan Community College
SECOND	\$100 + PLAQUE	The Distillator Ilya Furer, Filippo Incorvaia, Dwayne Campbell	College of Staten Island
THIRD	\$50 + PLAQUE	Romaine Edwards	City College of New York (CUNY)
ALL CONTESTANTS	CERTIFICATE OF PARTICIPATION		

*PLUS SUBSIDY TO ATTEND ASME MECHANICAL ENGINEERING CONGRESS & EXPOSITION (IMECE OR CONGRESS), NOVEMBER 10-17, 2007 IN SEATTLE, WASHINGTON, TO COMPETE IN THE INTERNATIONAL COMPETITION

STUDENT SECTION WITH MOST STUDENTS IN ATTENDANCE

PLACE	PRIZE	NAME	SCHOOL
FIRST	\$100	N/A	Stevens Institute of Technology



Student Professional Development Conference (SPDC)

April 14, 2007

Host: New Jersey Institute of Technology, Newark, NJ

KM AWARD			
PLACE	PRIZE	NAME	SCHOOL
FIRST	PLAQUE	N/A	University of Technology – Jamaica
SECOND	PLAQUE	N/A	U.S. Naval Academy

MISCELLANEOUS INFORMATION

REGISTRATION

SCHOOLS	15	City College - CUNY, College of New Jersey, College of Staten Island, Cooper Union, Drexel University, New York Institute of Technology, Rowan University, Stevens Institute of Technology, Temple University, The City College of New York, U.S. Naval Academy, Villanova University, University of Technology Jamaica, New Jersey Institute of Technology, , Borough of Manhattan Community College, SUNY Maritime, NJIT
STUDENTS	123	Includes 80 from NJIT
SSA	6	College of Staten Island, Cooper Union, Rowan University, Stevens Institute of Technology, Villanova University, Stevens Institute of Technology, NJIT
OTHER (District Leader, Judges, Speakers)	22	

TOTAL **151**

COMPETITIONS	Schools	Entries	# Persons	
Oral	7	12	12	City College of New York - CUNY, Drexel University, New Jersey Institute of Technology, Rowan University - College of Engrg, Stevens Institute of Technology, University of Technology - Jamaica, Villanova University,
Poster	6	9	9	City College - CUNY, College of Staten Island, New Jersey Institute of Technology, Rowan University - College of Engrg, Stevens Institute of Technology, U.S. Naval Academy (From District F),
Web	4	5	5	City College - CUNY, College of Staten Island, Rowan University - College of Engineering, Stevens Institute of Technology,
Design	11	15	51	College of New Jersey, College of Staten Island, Drexel University, Fairleigh Dickinson University, New Jersey Institute of Technology, Stevens Institute of Technology, SUNY - Maritime College, University of Technology - Jamaica, City College of New York (CUNY), U.S. Naval Academy (From District F),