

# **fUTURE CITY**

**COMPETITION**



## **2013**

### **Philadelphia Regional Future City Competition**

**January 26, 2013**

**Sheet Metal Workers Union Hall  
Philadelphia, PA**

**A Program of the  
National Engineers Week Foundation**





## 2013 National Engineers Week Philadelphia Regional Future City Competition

This is the 18<sup>th</sup> year for the Philadelphia Regional Future City Competition. Every year, the program has grown and this year we had 51 schools registered involving almost 700 students. The 42 schools here today have shown how they can apply engineering to building for the future. Thanks to the generosity of our sponsors, we will have 47 Special Awards presented to the schools, including some new awards that have not been presented in the past. We are looking forward to a great day!

A special thank you also goes to our host, the Philadelphia Sheet Metal Workers.

### Schedule of Events

|                   |   |
|-------------------|---|
| 8:00 - 8:45 AM    | Team Registration and Model Set-up  |
| 8:45 AM           | Opening Announcement  |
| 9:00 – 12:00 Noon | Preliminary Judging   |
| 9:00 – 12:00 Noon | Special Awards Judging  |
| 12:00 – 1:00 PM   | Lunch   |
| 12:15 – 1:00 PM   | Tours of Sheet Metal Training Facility  |
| 1:00 – 1:45 PM    | Special Engineering Presentation<br>Glen J. Abrams, AICP<br>Manager, Strategic Policy and Coordination<br>Philadelphia Water Department |
| 1:45 PM           | Announcement of Finalists   |
| 2:00 – 4:00 PM    | Final Judging: oral presentations, questions from judges  |
| 4:00 – 5:00 PM    | Awards ceremony and announcement of regional winning teams  |

*The CBS3 Mobile Weather Lab will be outside the exhibit hall during portions of the day. An announcement will be made when it arrives and all are invited to visit it.*

### Also, Thanks to our Snacks Suppliers

*Campbell Soup Co. – Splash*

*TastyKake – Cakes*

*Mondelez/Nabisco – Cookies*

*Wawa – Drinks*

## Final Judges

|   |   |
|---|---|
| <p><b>Glen J. Abrams,<br/>AICP</b></p> <p><b>Manager, Strategic Policy and Coordination Philadelphia Water Department, Office of Watersheds</b></p> | <p>Mr. Abrams is Manager for Strategic Policy and Coordination for the Philadelphia Water Department’s Office of Watersheds, where he leads efforts to link PWD’s programs and policies with those of other City departments, state and federal agencies, and nonprofit partners. In addition, his team reviews policies, codes, and programmatic functions and facilitates changes to ensure successful implementation of Philadelphia’s innovative Combined Sewer Overflow Long-Term Control Plan, “Green City, Clean Waters.” Mr. Abrams has worked in the Office of Watersheds for over eleven years and was instrumental in the early demonstration projects and partnerships that established many of the green stormwater infrastructure initiatives that are now the cornerstone of the “Green City, Clean Waters” plan. Mr. Abrams is a graduate in City and Regional Planning from the Ohio State University.</p> |
| <p><b>Charles A. Clerecuzio, PE, CPIP</b></p> <p><b>President, Solutions4CO2 (U.S.), Inc.</b></p>   | <p>Charles A. Clerecuzio, PE, CPIP, is President of the U.S. subsidiary for Solutions4CO2, Inc., a publically traded carbon capture and utilization company focused on the clean capture of CO2 and its use to produce value added products including nutraceuticals, chemicals and fuels. In his role, Chuck is focused on finding ways to utilize the waste streams in the Delaware Valley to reduce energy costs and generate products needed by the community. Prior to that, Chuck spent over 20 years in the engineering and construction industry providing process engineering, technology scale up, project management and executive management to the biotechnology, pharmaceutical, chemical, biofuels and food industries. He was selected as the 2013 Delaware Valley Engineer of the Year.</p>  |
| <p><b>Stephen Madjar</b></p> <p><b>PHL Aircraft Maintenance Supervisor US Airways</b></p>   | <p>Stephen P. Madjar joined US Airways in 1990 and is an Aircraft Maintenance Supervisor in Philadelphia, where he is responsible for the maintenance, engineering order and authorization compliance, aircraft damage investigations and FAA regulatory compliance on the US Airways aircraft fleet. Mr. Madjar is retired from Delaware Air National Guard, and has more than 22 years military experience with Army and Air Force equipment ranging from ground equipment to heavy cargo aircraft. He also is currently the coordinator for the Cutaneous Lymphoma Foundation’s, Global Rare Disease Registry Patient database. Stephen is a graduate of Drexel University where he received his BS in Mechanical Engineering Technology.</p>  |
| <p><b>Joseph R. Syrnick, PE, PLS</b></p> <p><b>President &amp; Chief Executive Officer, Schuylkill River Development Corporation</b></p>            | <p>Joseph Syrnick is President &amp; Chief Executive Officer of the Schuylkill River Development Corporation (SRDC), the lead agency for the redevelopment of the Tidal Schuylkill River. In partnership with public and private agencies, institutions and corporations, SRDC’s core mission is to reconnect the river to the life and fabric of the city and region. Mr. Syrnick came to SRDC after a 34-year career with the City of Philadelphia, where he was Chief Engineer &amp; Surveyor. He served 18 years as a Commissioner of Fairmount Park and is the acting chair of the Philadelphia City Planning Commission. Mr. Syrnick is a graduate of Drexel University (BS in Civil Engineering in 1969; MSCE in 1971). He was 1997 Delaware Valley Engineer of the Year. Mr. Syrnick is a native Philadelphian and lives with his family in Roxborough.</p>   |
| <p><b>Harry Vitelli</b></p> <p><b>Vice President, Bentley Software Bentley Systems, Inc.</b></p>  | <p>Harry Vitelli joined Bentley in 2006 and is the vice president of Infrastructure Products. Mr. Vitelli leads Bentley’s MicroStation and ProjectWise product organization. Harry has more than 25 years of experience growing software sales revenues as a technology industry executive for both publicly and privately held companies, including serving as vice president of alliances at Adobe Systems and earlier as senior director of product management for Adobe’s Acrobat, Adobe Reader, and PDF software lines. His specialties include creating product strategy for a broad base of target customers as well as strategic alliances with companies such as SAP and IBM. Harry received his BS in Computer Science from Spring Garden College.</p>  |

# School List

| <u>SCHOOLS</u>   | <u>STUDENTS</u>  | <u>MENTOR</u>                               | <u>CITY NAME</u> |
|--|--|---|------------------|
| <b>Blair Christian Academy</b><br>Philadelphia, PA<br>John Kozak                     | Sidney Holmes<br>Indica Martin<br>Jada Thomas<br>Aliana M. Scott         | Derrick Whitaker<br>Klein and Hoffman, Inc. | Blair City       |
| <b>Cinnaminson Middle School</b><br>Cinnaminson, NJ<br>Garwood Bacon                 | Alexa Aulicino<br>Rachel Henry<br>James Wood<br>Ava Littlewood           | Orla Pease<br>Urban Engineers               | Monte Summo      |
| <b>Downingtown Middle School</b><br>Downingtown, PA<br>Carla Plomchock               | Katie Brynes<br>Ben Codd<br>Tom Geiger<br>Rob Warner                     | Tom Chmielenski<br>Bentley Systems          | Terra Magnas     |
| <b>Drexel Hill Middle School</b><br>Drexel Hill, PA<br>George Hight                  | Megan Flatley<br>Abigail Liu<br>Mallory Perry<br>Gina Prince             | William Waldron<br>AT&T                     | Terra De Vita    |
| <b>East Norriton Middle School</b><br>Norristown, PA<br>Victoria Strickland          | Will Baitrus<br>Camryn Duncan<br>Ranee Wismer<br>Alexia Hall             | Peter Mazzeo<br>HNTB                        | Leafy Hollow     |
| <b>Education is the Key Learning Center</b><br>Philadelphia, PA<br>Kimberly Muhammad | Jawan Hardimon<br>Ameen Muhammad<br>Isa Muhammad                         | Amma Asamoah                                | New Topia        |
| <b>G. A. Stetson Middle School</b><br>West Chester, PA<br>David Kelly                | Katya Iatsenko<br>Matthew Shen<br>Alex Weir<br>Ethan Backof              | Jay Backof<br>Creative Mobile Technologies  | River Ridge      |
| <b>Great Valley Middle School</b><br>Malvern, PA<br>Heather McGovern                 | Anna Brown<br>Divya Jain<br>Michael Rivera<br>Matthew Vinca              | Katherine Childers<br>Maser Consulting      | Vitanizio        |
| <b>Grey Nun Academy</b><br>Yardley, PA<br>Micheline Balogh                           | Sean Diehl<br>Elizabeth Latella<br>Sarah Rothenberg<br>Christopher Green | Michael McAtee<br>Urban Engineers           | Yardopolis       |
| <b>Grover Washington Junior Middle School</b><br>Philadelphia, PA<br>Gina Griffith   | Rahmir Dyson<br>Erica Gordon<br>Demetrus Huggins<br>Jason Gordon         | Mitchell Swann<br>MDC Systems               | Golden Grover    |
| <b>Hill Top Prep</b><br>Rosemont, PA<br>Fredrick Schindler /<br>Sara Matthews        | Jackson Bradley<br>Chris D'Urso<br>Jacob Schumacher                      | Joseph D'Urso                               | Futuretopia      |

| <u>SCHOOLS</u>  | <u>STUDENTS</u>  | <u>MENTOR</u>                                  | <u>CITY NAME</u>                  |
|---|--|--|-----------------------------------|
| <b>Holy Angels School</b><br>Newark, DE<br>Kathy Brown  | Emma Miedzius<br>Lucas Rager<br>Johnathan Ray<br>Nicole Rawding              | Ron Cupo<br>Westinghouse (Retired)             | Transea                           |
| <b>Hopewell Crest School</b><br>Bridgeton, NJ<br>Mallory Heimlich                                 | Allison Lowry<br>Joey Showmaker  | William Probasco<br>Hungerford and Terry, Inc. | Cairo, Egypt                      |
| <b>J. T. Lambert Intermediate School</b><br>East Stroudsburg, PA<br>Sheila Bove                   | Kasie Berkowitz<br>Nickolas Frassinelli<br>Sherryn Ramkarren<br>Anum Khawaja | Joseph Marchese<br>Lehigh University           | Tutum Insulas                     |
| <b>Kutztown Area Middle School</b><br>Kutztown, PA<br>Rebecca Ziegler Adam<br>Berrigan            | Nevie Gawlik<br>Jarryd Kase<br>Jarrett Mohn                                  |  | Lacustre<br>Ciudad                |
| <b>Lionville Middle School</b><br>Exton, PA<br>Guy Raines   | Neel Alex<br>Victoria Pan<br>Lilly Zimmerman<br>Matthew Boraske              | Dan Koval<br>Bentley Systems                   | Avisa                             |
| <b>Maple Point Middle School</b><br>Langhorne, PA<br>Neil French                                  | Ryan Doyle<br>Crystal Teoh<br>Kyle Teoh<br>Andrew Nguyen                     | EngSeong Teoh<br>URS Energy & Construction     | Erehwon                           |
| <b>Mary Mother of the Redeemer</b><br>North Wales, PA<br>Angelina T. Lamparski/ Marie<br>Blasetti | Tyler Shorten<br>Connor Thomson<br>Connor Wagner<br>R. Matther Becker        | Steve Krumenacker<br>Macintosh Engineering     | Zaohua-City<br>of Good<br>Fortune |
| <b>Meyer Academy</b><br>Newtown, PA<br>Alicia Rinkus  | Ethan Himes<br>James Meyer<br>Thomas Meyer<br>Joseph Himes                   | John Rinkus                                    | Baronville                        |
| <b>New Hope-Solebury Middle School</b><br>New Hope, PA<br>Phyllis Smith                           | Zachary LeVeille<br>Jeremy Pether<br>Emma Skuban<br>Quinn Reinert            | Lynne Cavanaugh<br>Bristol Myers Squibb        | Ultamanium<br>2468                |
| <b>Octorara Junior High</b><br>Atglen, PA<br>Tabitha Wallace /<br>Jennifer John                   | Michael Choudhary<br>Alexander Dilworth<br>Dan Garfinkle                     | James Fogarty<br>Exelon Corp.                  | Kage Toshi                        |
| <b>Orchard Valley Middle School</b><br>Sewell, NJ<br>William Schlupp                              | Nick Gushue<br>David Lee<br>Cameron Markey<br>Spencer Reitano                | Christine Young<br>USPS                        | Valvehalla                        |

| <b><u>SCHOOLS</u></b>  | <b><u>STUDENTS</u></b>   | <b><u>MENTOR</u></b>                     | <b><u>CITY NAME</u></b> |
|--|--|--|-------------------------|
| <b>Pottsgrove Middle School</b><br>Pottstown, PA<br>Debra Frasca                 | Alyssa Geniza<br>Brett Lockey<br>Zachary Reiker                        | Mike Kissinger<br>Pennoni Associates     | Banarama                |
| <b>Presentation BVM School</b><br>Cheltenham, PA<br>Greg McAnany                 | Erin Brown<br>Paul Keene<br>Alessandro Maldonado<br>Cary Boyd          | Timothy Potens<br>STV Incorporates       | Wasserlauf              |
| <b>Queen of Angels Regional Catholic School</b><br>Willow Grove, PA<br>Jane Ring | Nathaniel Klein<br>Kelly Anne Ryan<br>Harry Scanlon<br>Maura O'Malley  | Thomas Gennaro                           | Naibhora                |
| <b>Radnor Middle School</b><br>Wayne, PA<br>Andy Achenbach /Beth<br>Zigmont      | Tessa Kilby<br>Natasha Lowy<br>Courtney Schreiber<br>Charlie Connolly  | Nathan Clymer<br>Bergmann Associates     | Tir Glas                |
| <b>Springfield Township Middle School</b><br>Oreland, PA<br>Peter Olsho          | Laura McElroy<br>Meghan Nelson<br>Anna Szekeres<br>Zakee Aleem         | Cathy Farrell<br>Michael Baker Jr., Inc. | Philapenn               |
| <b>Ss Philip and James</b><br>Exton, PA<br>Mary Del Grande                       | Dayna Boyle<br>Victor Ficarra<br>Thomas Hang<br>Bill Rescigno          | Peter Uhlman<br>Percheron Group          | Paraiso                 |
| <b>St. Aloysius Academy</b><br>Bryn Mawr, PA<br>Anne Marie Cahir                 | Marcus Nowlan<br>Philip Persaud<br>Conor Quinn<br>Brennan McManus      |  | Hillville               |
| <b>St. Andrew School</b><br>Drexel Hill, PA<br>Anita Mazzone                     | Gabrielle Gordon<br>Victoria Smith<br>Niya Ray<br>Sarah Collington     | Kevin Voit<br>AECOM                      | LaPaz                   |
| <b>St. Catharine of Siena School</b><br>Reading, PA<br>Patricia Koch             | Elizabeth Lavanga<br>Drew Millman<br>Baotram Nguyen<br>Libby Tarquinio | Bryan Haag<br>Entech Engineering         | LibLette Land           |
| <b>St. Cecilia School</b><br>Philadelphia, PA<br>Debra Brewster                  | Karen Kerwick<br>William Miller<br>Molly McMonagle<br>Ryan Doherty     | George Gaynor<br>Sunoco Inc.             | Solum Fertilis          |
| <b>St. Elizabeth Parish School</b><br>Uwchlan, PA<br>William Kuhn                | Patrick Bobko<br>Maiya Kerinen<br>Vishal Ramola<br>Nicolas Fardone     | John A. Nawn                             | Platinum Triangle       |

| <u>SCHOOLS</u>  | <u>STUDENTS</u>  | <u>MENTOR</u>  | <u>CITY NAME</u>            |
|---|--|--|-----------------------------|
| <b>St. Francis de Sales School</b><br>Philadelphia, PA<br>David Montego                         | Sophia Cordova-Canas<br>Cheyenne Draper<br>Chelsea Gooden                          | Binh Le<br>Kleinfelder East  | DiverCity                   |
| <b>St. Ignatius School</b><br>Yardley, PA<br>Mary Ellen Gerlach/<br>Theresa Goodwin             | Cianna Choo<br>Callie Shinkle<br>Aidan Young<br>Desmond Young                      | Anthony Choo<br>Department of<br>Bioengineering, University<br>of Pennsylvania | Futra Navitas<br>Civitatula |
| <b>St. Jude School</b><br>Chalfont, PA<br>Anita Marko   | Claire Boyle<br>Emily Donlevy<br>Brianna Yukanis<br>Vincent Opdyke                 | Jack Mitchell<br>McMahon Associates  | Pluvia                      |
| <b>St. Lucy Day</b><br>School/Archbishop Ryan<br>Philadelphia, PA<br>Diane Muller               | Bridget Cassidy<br>Rebecca Weber   | John Getty<br>City of Philadelphia   | Fresco y<br>Limpio          |
| <b>St. Margaret's Regional</b><br>Catholic School<br>Woodbury Heights, NJ<br>Michele DeGregoria | Chris DeAngelis<br>Colin Fogerty<br>Ryan Pfifer<br>Joey Polidoro                   | Joe Polidoro<br>Green Cities Energy LLC  | St. Margaret                |
| <b>St. Maximilian Kolbe</b><br>West Chester, PA<br>Mary Riccardo                                | Mary Katherine Clark<br>Christine DiSanti<br>Mimi Nielsen<br>Catherine Falkenstein | Nate Cline<br>Pennoni Associates   | Qwerty                      |
| <b>Stewart Middle School</b><br>Norristown, PA<br>Marijana Lake                                 | Georgia Werkiser<br>Alisha DePaul<br>Taylor Mengel<br>Reuben Guntipally            | Brian O'Leary<br>Montgomery County<br>Planning Commission                      | Stewart's<br>Aquaville      |
| <b>Thomas Holme Elementary</b><br>School<br>Philadelphia, PA<br>Lori Abernethy                  | Annmarie Batey<br>Olivia Pickett<br>Jake Schubert                                  | Mallory Spagnoli/ Matt<br>Sherwood<br>Rodriguez Consulting LLC                 | New Seaside<br>Heights      |
| <b>Upper Merion Middle School</b><br>King of Prussia, PA<br>Matt Cullen/ Laura Kitching         | Emily Adams<br>Samantha Eames<br>Isabelle Perkins<br>Katelyn Barr                  | Mark Brittingham<br>Comcast Converged<br>Products                              | Schiarire                   |



# Special Awards

| <u>Sponsors</u>   | <u>Award</u>  |
|---|---|
| US Airways  | Best Use of an Aviation Element   |
| Bentley Systems, Inc  | Best Computer Usage   |
| Shell Oil   | Outstanding Engineering Performance   |
| Delaware Valley Audi Dealers  | Truth in Engineering for Excellence in Personal Transportation              |
| Exelon  | Excellence in Energy Generation   |
| Pennoni Associates Inc.   | Innovative Environmental Management   |
| AECOM   | AECOM Commuter Planning   |
| Urban Engineers, Inc.   | Superior Communications   |
| Society of American Military Engineers, Philadelphia Post                                       | Creative Application of Civil Works   |
| Associated Engineering Consultants, Inc.  | Best Thinking Outside the Box   |
| KlingStubbins   | The Fred Lindquist Design   |
| Triad Fire Protection Engineering Corp.   | Attention to Fire Protection Engineering                                    |
| John & Sally Kampmeyer  | Regional Coordinator's Special Recognition                                  |
| American Society for Quality, Philadelphia Section  | Creative Approach to Problem Solving  |
| American Society for Quality, Southern Jersey Section   | Total Quality Management  |
| American Society of Heating, Refrigerating and Air Conditioning Engineers, Philadelphia Chapter | Best Indoor Environment   |
| American Society of Mechanical Engineers, Philadelphia Section                                  | Best Moving Part  |
| American Society of Plumbing Engineers, Philadelphia Chapter                                    | Plumbing Innovation   |
| Intelligent Transportation Society of Pennsylvania  | Best Use of Technology in Transportation                                    |
| International Society of Automation, Philadelphia Section                                       | Sam Herb/Jack McGrath ISA Automation Award                                  |
| International Society of Pharmaceutical Engineers, Delaware Valley Chapter                      | Innovation in Healthcare  |
| National Fire Sprinkler Association, PennJerDel Chapter   | Fire Sprinkler Delivery   |
| CH2MHill  | Most Holistic Approach  |
| Ken Golkin, PMP   | First Winners   |
| American Society of Civil Engineers, Phila Section, Young Members Forum                         | Ingenious Civil Engineering   |
| American Society of Highway Engineers, Delaware Valley Section                                  | Infrastructure  |
| Association of Energy Engineers, Greater Philadelphia Chapter                                   | Best Energy-Based Project   |
| Engineers' Club of Philadelphia   | Best Use of Recyclable Materials  |
| Greater Valley Forge Transportation Management Association                                      | Creation of Sustainable Transportation                                      |
| Institute of Electrical and Electronic Engineers, Philadelphia Section                          | IEEE Philadelphia Section   |
| Institute of Industrial Engineering, South Jersey Delaware Valley Section                       | Industrial & Systems Engineering  |
| Institute of Transportation Engineers, Mid-Atlantic Section                                     | Most Innovative Transportation Concept                                      |
| International Code Council, Liberty Chapter   | Recognizing Attention to Building Codes in Building Design and Construction |
| National Association of Women in Construction   | Family Friendly Neighborhoods   |
| National Council of Examiners of Engineers and Surveyors  | Best Land Surveying Practices   |
| Pennsylvania Planning Association   | Planning Excellence   |
| Pennsylvania Society of Professional Engineers, Delaware County Chapter                         | Best Coordination of Engineering Disciplines                                |
| Society of Fire Protection Engineers, Philadelphia-Delaware Valley Chapter                      | Fire Protection Engineering   |
| Society of Manufacturing Engineers  | Best Manufacturing Zone   |
| Thomas and Julie Gennero  | Technics and Civilization   |
| Timothy Haahs and Associates, Inc.  | Planning for People   |
| Jim and Mary Moyer  | Best Essay and Best Model   |

# Thanks to All of our Volunteers

## ESSAY JUDGES

|                 |                             |                 |   |
|-----------------|-----------------------------|-----------------|---|
| John Caperilla  | Gannett Fleming             | Daniel Montiel  |   |
| Nate Cline      | Pennoni Associates          | Scott Lowe      |   |
| Dennis Glackin  | Glackin Thomas Panzak Inc.  | Steve Goodsell  | Trauner Consulting Services                                   |
| James Jennings  | NSWCCD-SSES                 | Tumeka Flanigan | HDR Engineering, Inc.   |
| David Mensching | University of New Hampshire | Devonne Jackson | Exelon Nuclear - Limerick Generating Sta<br>Burns Engineering |

## CITY DISK JUDGES

|                 |                          |              |                         |
|-----------------|--------------------------|--------------|-------------------------|
| Brian Moyer     | Palmer Seminary          | Kevin Powers | Vanasse Hanger Brustlin |
| Charlotte Moyer | Chester Valley Golf Club |              |                         |

## PRELIMINARY JUDGES

|                     |                                     |                  |  |
|---------------------|-------------------------------------|------------------|--|
| Doug Anderson       | CH2M Hill                           | Alan Levy        | Javan Engineering                        |
| Sarah Anderson      | CH2M Hill                           | John Lyons       | The Boeing Company                       |
| Leanne Birkmire     | Exelon                              | Claire Mackler   | Golder Associates                        |
| Julie Brask         | AECOM                               | John McGowan     | Lockheed Martin                          |
| Preasha Brittingham | PennDot                             | Karen McManuels  | Associated Engineering Consultants, Inc. |
| Kevin Brown         | Urban Engineers                     | Kevin Nuble      | Ch2M Hill                                |
| Tony Cirillo        | URS Corporation                     | Babatunde Olude  | The Boeing Company                       |
| Suzann Collins      | CH2M Hill                           | Pete Paton       | MacIntosh Engineering                    |
| Erin Coombs         | Hunter College                      | Joe Palombit     | University of Pennsylvania Health System |
| Rick Coppola        | Fire Protection Industries          | Murray Rosenberg | CH2M Hill                                |
| Purvi Dave          | The Boeing Company                  | Lynn Scofield    | CH2M Hill                                |
| Kim Dengler         | Thomas Jefferson University         | Marc Smugar      | Urban Engineers                          |
| Lee Duncan          | Weston Solutions Inc.               | Lisa Stine       | Sebesta Blomberg                         |
| Ivan Esparragoza    | The Pennsylvania State University - | Brian Stover     | JBC Associates                           |
| Brandywine Campus   |                                     | JoAnn Stover     | SEPTA                                    |
| Jeff Flores         | The Boeing Company                  | Andy Talarowski  | ACE USA                                  |
| Carrie Griesser     | Campbell Soup Company               | Fran Talarowski  | Springfield School District              |
| Dennis Gross        | Thomas Jefferson University         | William Wendling | Pennoni Associates                       |
| Leandra Kern        | University of Pennsylvania          | Stephen White    | Philadelphia Water Department            |
| David Knauer        | Steris Life Science                 | Kate Williams    | Boeing                                   |
| Ece Koch            | Drexel University                   | Neil Wortman     | Procurian                                |
| Sandy Koza          | McMahon Associates                  | Andrew Yeh       | Johnson & Johnson                        |
| Edwina Lam          | URS Corporation                     |                  |  |

## SCORE KEEPERS

|              |                       |              |                         |
|--------------|-----------------------|--------------|-------------------------|
| John Bianchi | Dept of Defense, DCMA | Joseph Matje | Bruce Brooks Associates |
|--------------|-----------------------|--------------|-------------------------|

## VOLUNTEERS

|                     |                                  |                    |  |
|---------------------|----------------------------------|--------------------|--|
| Jon Allis           | Exelon                           | Martin Kriebe      |  |
| Jim Ashe            | Bentley Systems, Inc.            | Max Long           | Associated Engineering Consultants, Inc. |
| Jason Barone        | CRB Consulting Engineers, LLC    | Ryan Long          | Federal Transit Administration           |
| Nicole Blanchard    | US Airways                       | Dan Loveland       | Exelon                                   |
| Carol Boswell       | US Airways                       | Joe Macios         | TRC Solutions                            |
| Andrea Bradbury     | IEEE                             | John McGrath       | Exelon                                   |
| Molly Brown         | Bentley Systems, Inc.            | Frank Merk, Jr.    | Institute of Industrial Engineers        |
| Bill Calabria       | ISA                              | Jeff Migliaccio    | AECOM                                    |
| John Caperilla      | Gannett Fleming                  | Patricia Milfort   | US Airways                               |
| David Carroll       | US Airways                       | Christopher Menna  | City of Philadelphia                     |
| Jane Chen           | Urban Engineers                  | Colette Montague   | Urban Engineers                          |
| Yiya Cheng          | Drexel University                | Dan Ormand         | Kimley-Horn Associates                   |
| Jeremy Chrzan       | Pennoni Associates               | Mike Panco         | Furlow Associates                        |
| Stephen Coulton     | CMI Sprinkler Corp               | Marie Pantalone    |  |
| Will Cummings       | US Airways                       | Yusuf Perine       | Temple University                        |
| Andy Cushman        | Urban Engineers                  | Andy Quinn         | Urban Engineers                          |
| Ruben David         | City of Philadelphia             | Amber Reimnitz     | Pennsylvania Turnpike                    |
| Mary Anne Devine    | JAOMAD Consultancy               | Mike Reyman        | Institute of Industrial Engineers        |
| Sue Dipaolo         | Jacobs Engineering               | Jeff Richardson    | Bentley Systems, Inc.                    |
| Bill Dugary         | Applied Controls Engineering     | Anthony Sandone    | Merck                                    |
| Mary Caitlyn Dugary | LaSalle University               | Emily Scholl       | McCormick Taylor                         |
| Ryan Furgerson      | BARTA                            | Bob Siebeneicher   | Institute of Industrial Engineers        |
| Phil Gaughan        | ASCET                            | Drew Sirianni      | McMahon Associates                       |
| Nicole Gortian      | CH2M Hill                        | Peter Silverberg   | IEEE                                     |
| Chris Gray          | Timothy Haahs & Associates, Inc. | Joseph Sorial      | Temple University                        |
| Tim Haahs           | Timothy Haahs & Associates, Inc. | Rob Spitz          | Fire Protection Industries               |
| Kazi Hassan         | Pennoni Associates               | Nathan Taylor      | Drexel University                        |
| Noelle Helmstetter  | City of Philadelphia             | Shanise Thornton   | The Boeing Company                       |
| Samuel Herb         | JAOMAD Consultancy               | Patrick Williams   | Urban Engineers                          |
| Dee Hurst           | US Airways                       | Frederick Willis   | Sargent & Lundy LLC                      |
| Diane Jones         | US Airways                       | John Wolf          |  |
| Dewey Jurich        | Jacobs Engineering               | Paul Whitby        | Pfizer                                   |
| Chris Kaelin        | Urban Engineers                  | Christopher Wright | AECOM                                    |
| Tony Kan            | Drexel University                | Chen Yinkung       | Drexel University                        |
| Melissa Koval       | Bentley Systems, Inc.            |                    |  |

# Thanks to the Future City Steering Committee

For over 18 years, the members of the Steering Committee have been responsible for coordinating the schools, sponsors, volunteers and general operation of the Philadelphia Regional Competition. Most of the members have been with the program for over 10 of those years, a remarkable accomplishment when the average duration of a volunteer is three years.

## **REGIONAL COORDINATOR**

John Kampmeyer, P.E.

## **SCHOOL COORDINATOR**

Mary Moyer

## **SPONSORSHIP**

John Kampmeyer, P.E.

## **SITE LOGISTICS**

James Hall, P.E.

## **SECRETARY / TREASURER**

Helen Eck

## **VOLUNTEER / STUDENT RECOGNITION**

Karen McManuels, P.E.

## **JUDGING COORDINATOR**

Susan Best, P.E.

## **VOLUNTEER COORDINATOR**

Jennifer Wetzel

## **SPONSORSHIP ASSISTANCE**

James Cokonis, P.E.

## **WEB SITE / SPEAKER COORDINATOR**

Ken Golkin, PMP

## **PUBLICATIONS**

Michael McAtee, P.E.

## **REFRESHMENTS COORDINATOR**

Jeff Crozier



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Section  
American Society for Quality, Southern Jersey  
Section  
American Society of Heating, Refrigerating and  
Air Conditioning Engineers, Philadelphia  
Chapter  
American Society of Mechanical Engineers,  
Philadelphia Section  
American Society of Plumbing Engineers,  
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A young girl with dark hair, wearing a red shirt and a pink hair clip, is shown in profile with her right hand raised. She is looking towards the left. In the background, other children are visible, some with their hands raised, suggesting a classroom or educational setting. The lighting is bright and natural, coming from the left side.

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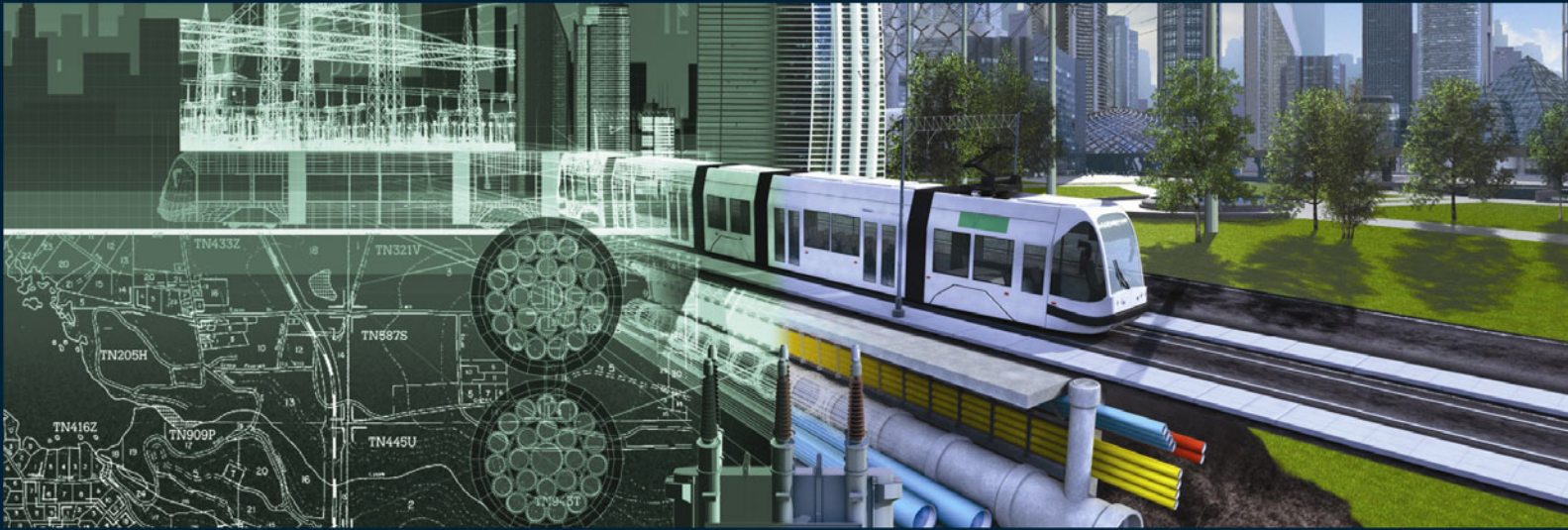


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Best wishes to the students, teachers, parents, and mentors



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