

North Penn High School Engineering Academy Students Present at American Chemical Society Conference

North Penn High School Engineering Academy, The Future is N.E.A.R. (Nanotechnology Education and Research)

Philadelphia, Pennsylvania—August 23, 2012— 2012 NPHS engineering academy students, David Biddle, Jason Lewinski and Parth Patel, accepted an offer to present the nanotechnology research they performed during their senior year at the 244th [American Chemical Society](#) conference at the Pennsylvania Convention Center in Philadelphia, Pennsylvania.

The student's research was accepted for two different poster presentation sessions: the K-12 Environmental Scientists Forum, a new category of the Division of Environmental Chemistry in the ACS and the Sci-Mix large poster session consisting of abstracts selected by division program chairs which represents the most exceptional abstracts submitted to participating divisions.

The students presented their work in two, two hour long poster sessions along side hundreds of university and business researchers from around the world. During the presentation, visitors would review posters, ask questions and open a dialog about their research. During the presentation, ideas were exchanged which spawned further ideas for research.

The students said they felt amazed by the depth of questions and comments they had received regarding their research and were excited to receive business cards and contact information from major research companies and universities. The students said that this experience is something they will never forget.



To the left, the students are pictured with the Program Chair of the Division of Environmental Chemistry, Dionysios Dionysiou

Research Abstract Titles:

David Biddle

X-Y Stage Development for Maximizing the Piezoelectric Properties of Polyvinylidene Fluoride Nanofibers

Jason Lewinski

Banana and Nanofiber Composite Membrane for Heavy Metal Water Filtration

Parth Patel

Antibacterial properties of Azadirachta Indica

(From L to R) Jason Lewinski, Dionysios Dionysiou (Program Chair) Parth Patel, David Biddle

Where will the students be studying this fall?

David Biddle, Penn State University, Materials Science and Engineering

Jason Lewinski, Drexel University, Electrical Engineering

Parth Patel, Penn State University, Materials Science and Engineering

To learn more about the North Penn High School Engineering Academy and the nanotechnology research they are performing, please visit their websites at: <http://www.northpennengineering.org> and <http://www.thefutureisnear.org>

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