

## **ACS NEW YORK SECTION CELEBRATES IYPT2019 WITH A GIANT 3D PERIODIC TABLE DISPLAY AT NEW YORK HALL OF SCIENCE**

*Article Submitted by Dr. Ping Furlan, the IYPT Committee Chair of the New York Section of the American Chemical Society.*

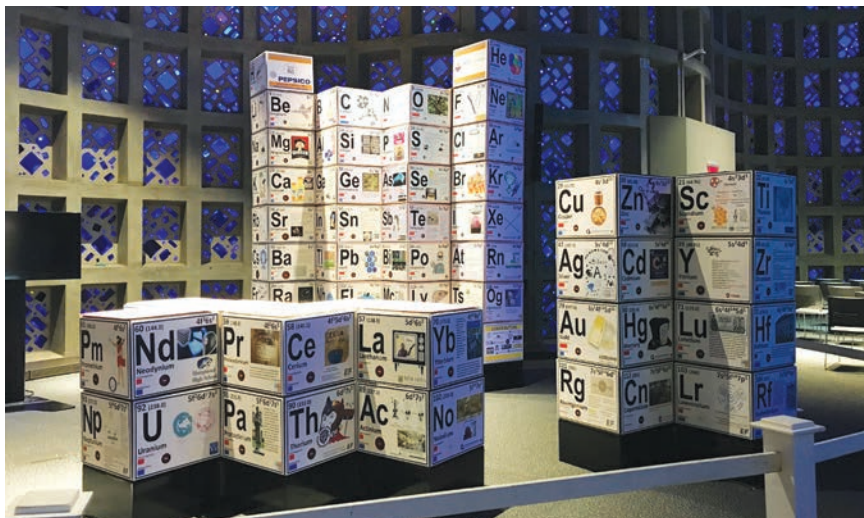
On Friday, October 18, 2019, the American Chemical Society New York Section (NYACS) unveiled a giant 3D Periodic Table at New York Hall of Science (NYSCI) – the Great Hall, as its members commemorated the 150th Birthday of Mendeleev’s Periodic Table and the International Year of the Periodic Table (IYPT2019).

The Table, standing tall in all its glory, 12ftx12ftx11ft in size, reveals the hidden pattern of the universe and makes it clear for all to see how elements relate and why they do what they do. Thousands of NYACS volunteers representing 56 organizations, ranging from research labs, universities, colleges, high schools, chemical companies and business centers, participated in and contributed to the designs of the 118 elements and construction of the Table.

Through their high quality, well thought-out, aesthetic, and highly diversified original artworks, contributors tell rich and fascinating stories of their elements and how their elements’ discoveries and the discovery of the periodicity helped build the modern world.

By showing their own Si and SiGe chips, the IBM scientists proudly celebrated the elements silicon (Si) and germanium (Ge), two closely related family members in Group 4A, and how these elements enabled IBM, via innovation and the use of the Periodic Law, to lead the computer revolution that has forever changed the way we live.

The Mapham High School honored the element Lithium (Li) with an exquisite painting of Arfvedson, the chemist who first discovered the element in its compound form in 1817. Looking at the Li symbol with that “Mona Lisa” smile, Arfvedson is surrounded by the many uses of lithium, ranging from drugs to batteries. The smile on his face even seemed more glorious after the recent announcement that light weight, rechargeable and high power lithium ion batteries have won their creators the 2019 Nobel Prize in Chemistry.



**The giant 3D Periodic Table, designed and constructed by thousands of NYACS volunteers, representing 56 organizations ranging from research labs, universities, colleges, high schools, chemical companies and business centers, was on display till Friday, October 25, 2019 at New York Hall of Science – the Great Hall.**

*(Photo courtesy of Dr. Mike Melcer)*



The volunteers of the NYACS Unveiling of the PT event, October 18, 2019, New York Hall of Science. From left to right: David Ingels-Thompson, Mayte Castro-Cabrera, Andrew Paine and Clarence Cheng of the United States Merchant Marine Academy.

*(Photo courtesy of Captain Tony Nigro)*

The element sodium (Na), claimed by their superintendent, Admiral Jack Buono, was well celebrated at the United States Merchant Marine Academy. Using information research, one-page assay, one-minute presentation, and finally the graphical representations, students learned about and shared the many modern and maritime uses of sodium. Many felt, that after the IYPT, perhaps element sodium (Na) should be “properly” renamed as “nauticalium”.

Through the giant Table display, members of NYACS pay their ultimate tribute to all that the Periodic Table symbolizes: scientific discovery, innovation, human dedication and collective endeavors, and how these legacies have personally impacted who they are and what they do.

Even held on a working day, the unveiling event was well attended, especially with a large number of area high school students. The Hall was crowded with an attentive and enlightened audience who helped bring this magnificent Exhibit to public and greatly appreciated an opportunity to meet and converse with the IBM eminent scientists and technology leaders including Dr. James Wynne, the LASIK inventor, Dr. Lubomyr (Luby) Romankiw, whose magnetic thin-film storage heads enabled a giant step in increased density of storage that led to the era of personal computers, and Ms. Linda Sanford, who headed up IBM globe industries in 1990s that generated 70% IBM's revenue.

*(continued on page 18)*



The giant 3D Periodic Table, designed and constructed by thousands of NYACS volunteers, representing 56 organizations ranging from research labs, universities, colleges, high schools, chemical companies and business centers, and will be on display at the 58th Eastern Analytical Symposium and Exhibition, November 18-20, 2019, Princeton, New Jersey.

*(Photo courtesy of Alison Hyslop, Former Chair of NYACS)*

## ACS NEW YORK SECTION CELEBRATES IYPT2019 WITH A GIANT 3D PERIODIC TABLE DISPLAY AT NEW YORK HALL OF SCIENCE

(continued from page 17)



From left to right: Mr. Richard Goodman (James Bryant Conant Award Recipient), Dr. Ping Furlan (NYACS IYPT Committee Chair), Dr. James Wynne (LASIK Inventor), Mr. Joseph Wiener (NYACS IYPT Committee Co-chair), Dr. Lubomyr Romankiw (Magnetic thin-film storage inventor), Dr. Justyna Widera-Kalinowska (NYACS 2019 Chair), and Dr. Neil Jespersen (NYACS Councilor).

(Photo courtesy of Alison Hyslop, Former Chair of NYACS)



On Friday, October 18, 2019, the American Chemical Society New York Section (NYACS) unveiled a giant 3D Periodic Table at New York Hall of Science (NYSCI) – the Great Hall, as its members commemorated the 150th Birthday of Mendeleev's Periodic Table and the International Year of the Periodic Table (IYPT2019).

(Photo courtesy of Alison Hyslop, Former Chair of NYACS)

## Congrats to Our Element Design Winners

Award	Winner	Element
Best colored hand-drawn original artwork	Ms. Josephine Parlagreco Mepham High School	Lithium (Li)
Best non-colored hand-drawn original artwork	Mr. Kevin Tranchina Lynbrook High School	Antimony (Sb)
Best implementation of a school logo in a design	Stephanie Dulovic & Kristen Dulovic Adelphi University	Gold (Au)
Most clever design	Mr. Brandon McMurtry Columbia University	Flerovium (Fl)
Best design using an original photograph	Kristyn Gibney & Dalton Gibney Brooklyn College, CUNY	Carbon (C)
Best pop culture reference	Amy Trang Nguyen EF Academy New York	Krypton (Kr)
Most informative submission	Vijay Kumar Siripuram & Marc Flajolet The Rockefeller University	Sulfur (S)
Most humorous submission	Student Chapter of the ACS Iona College	Iron (Fe)
Design with the best word-play	Dilavnur Atmaca EF Academy New York	Cerium (Ce)
Most imaginative design	G. Patel, M. Hashemi, & H. Khoja Jose Marti STEM Academy	Cobalt (Co)
Best use of mythological reference	Jennifer Lin & Eileen McCaffrey Pearl River High School	Promethium (Pm)
Group that impacted the most people with its element	Science & Innovation Club U.S. Merchant Marine Academy	Sodium (Na)
Coordinator that inspired the most original & impressive designs	Ms. Young Seo Michelle Moon EF Academy New York	
Most elements reserved	Dr. Fernando Commodari EF Academy New York	

(continued on page 20)

**The giant 3D Periodic Table display will be on display at the 58th Eastern Analytical Symposium and Exhibition, November 18-20, 2019, in Princeton, New Jersey.**

## **ACS NEW YORK SECTION CELEBRATES IYPT2019 WITH A GIANT 3D PERIODIC TABLE DISPLAY AT NEW YORK HALL OF SCIENCE**

*(continued from page 19)*

### **Thanks to Our Element Design Contributors**

ACS-Hempstead Schools	Lynbrook High School
Adelphi University	Manhattan College
American Institute of Chemical Engineers – New York Section	Manufaktura Naukowcow
Archbishop Stepinac High School	Mattituck High School
Baruch College, CUNY	Mepham High School
Benjamin N Cardozo High School	Monsignor Scanlan High School
Brookhaven National Laboratory	New York University
Brooklyn College, CUNY	Nyack High School
ChemSource, Inc.	Oak Ridge National Laboratory
College of Mount Saint Vincent	Pace University
College of New Rochelle	Pawling High School
Columbia University	Pearl River High School
Consolidated Edison of New York	Peekskill High School
CUNY York College	PepsiCo
Dumont High School	Q Studio Lab
EF Academy New York	Queensborough Community College
Firmenich, Inc.	RMHC Poland
Garden City High School	Rye High ChemClub
Hofstra University	Saint Peter's University
IBM T.J. Watson Research Center	Sleepy Hollow High School
International High School at LaGuardia Community	St. Barnabas High School
Iona College	St. John's University
Iona Preparatory School	St. Joseph's College
Jose Marti STEM Academy	Stern College for Women-Yeshiva University
Laval University	SUNY Old Westbury
Lehman College	The Rockefeller University
Los Alamos National Laboratory	United States Merchant Marine Academy
	University of North Texas
	Vassar College

**The giant 3D Periodic Table display will be on display at the 58th Eastern Analytical Symposium and Exhibition, November 18-20, 2019, in Princeton, New Jersey.**



*Photos courtesy of Alison Hyslop, Cindy Robson, Mike Melcer, Brian Gibney, Vijay Kumar Siripuram, Fernando Commodari and Stephani & Kristen Dulovic.*

*(continued on page 22)*

**The giant 3D Periodic Table display will be on display at the 58th Eastern Analytical Symposium and Exhibition, November 18-20, 2019, in Princeton, New Jersey.**

## ACS NEW YORK SECTION CELEBRATES IYPT2019 WITH A GIANT 3D PERIODIC TABLE DISPLAY AT NEW YORK HALL OF SCIENCE

(continued from page 21)

---

# THANK YOU!!!

*We once again extend our heartfelt thanks to our*

## Platinum Sponsors

New York Hall of Science

Chemical Marketing & Economics (CME), NYACS

IBM T.J. Watson Research Center

PepsiCo

New York Section of the ACS

## And 1000+ Volunteers

### **New York ACS International Year of the Periodic Table Committee**

Ping Furlan, Paul Sideris, Joseph Wiener, Erin Thelen

Justyna Widera-Kalinowaska (NYACS Chair), Paris Svoronos

Neil Jespersen, Brian Gibney, Frank Romano



ACS Local Section  
New York

American Chemical Society's New York Section, Inc. | <http://newyorkacs.org>

---