



39th Annual General Meeting

June 18-22, 2017

Chemical Heritage Foundation

Philadelphia, Pennsylvania,

United States

Professor Antonios Zavaliangos Host

Drexel University

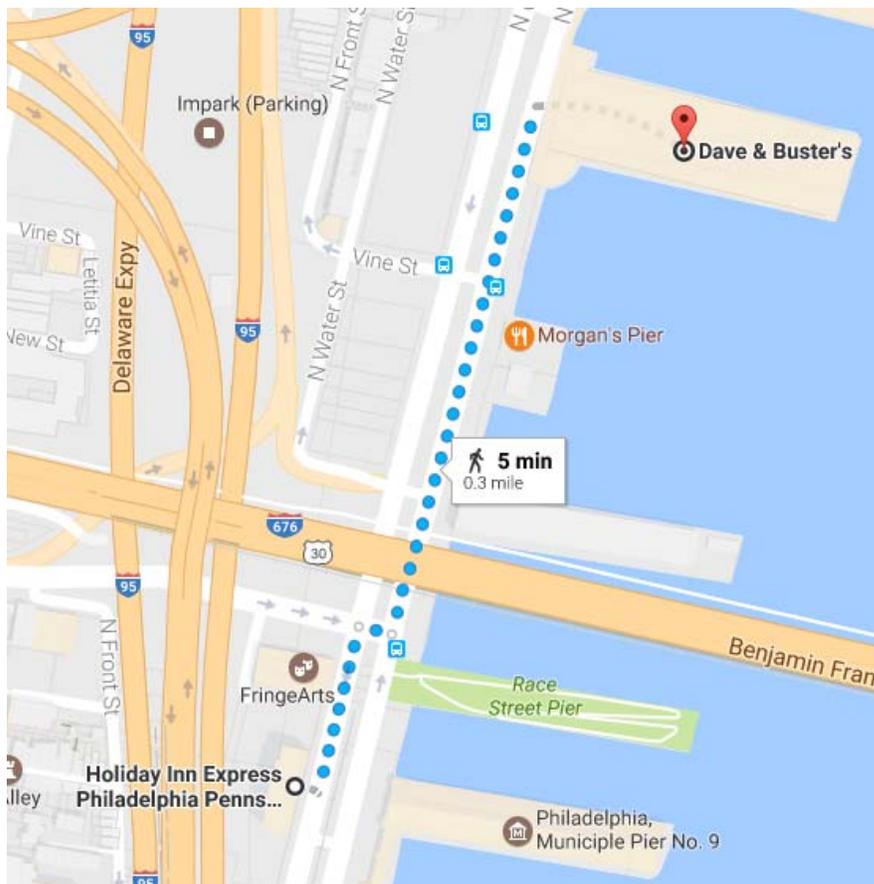
39th AGM Notes and Directions

This AGM will be different in format from previous meetings where the hotel and meeting venue were the same. Due to the difficulty of finding reasonable room rates and adequate meeting space I was forced to separate the rooms and the meeting venues, I apologize for the inconvenience, but we will get a bit of exercise from the daily walks to and from the meetings. Below I have attached walking maps for the sites that we will be walking to:

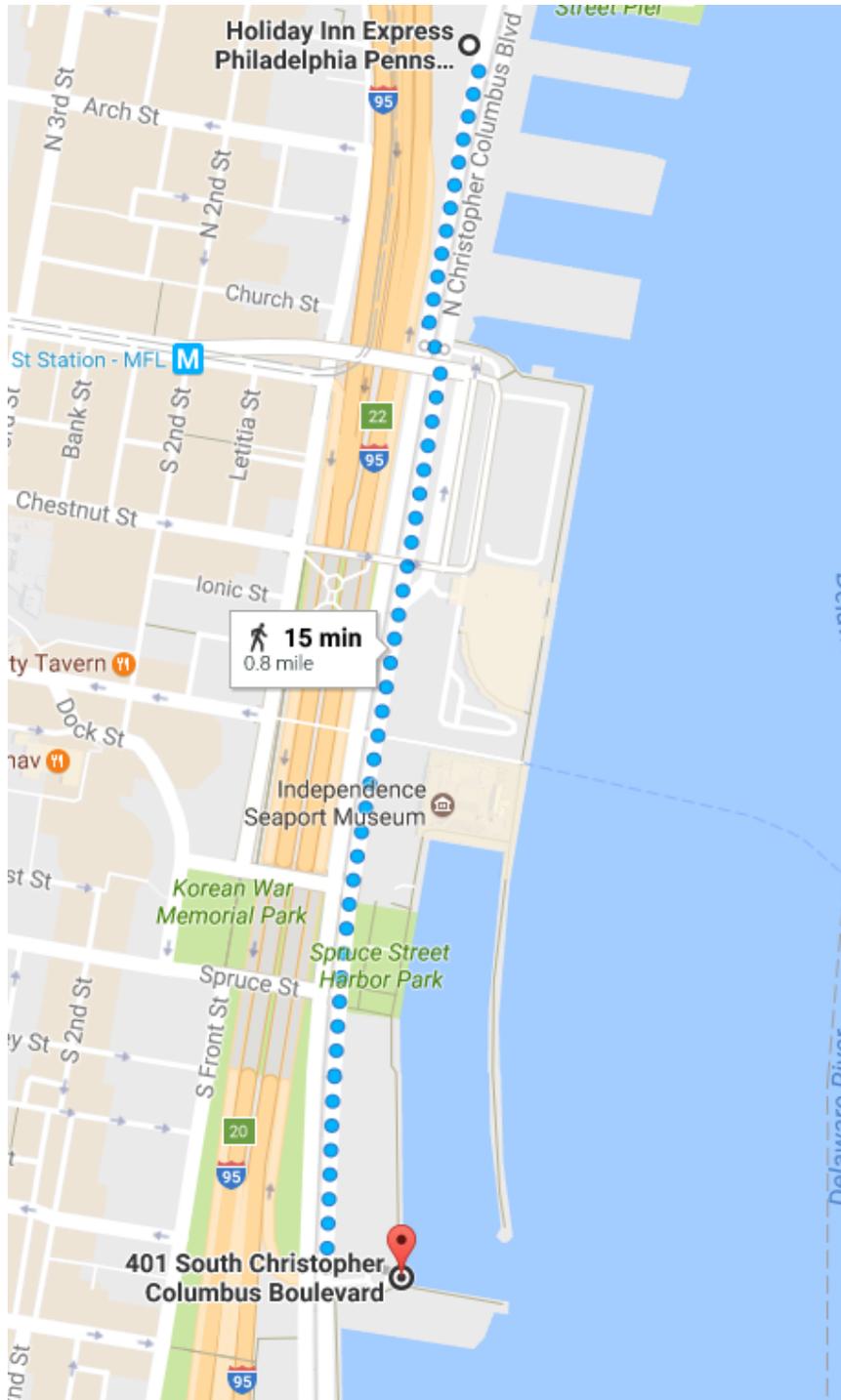
1) Saturday June 17th for the DEM Roundtable: See Number 4 Below for map. Roundtable will be held at the Chemical Heritage Foundation starting at 11:30 am.

2) Saturday June 17th for the Happy Hour

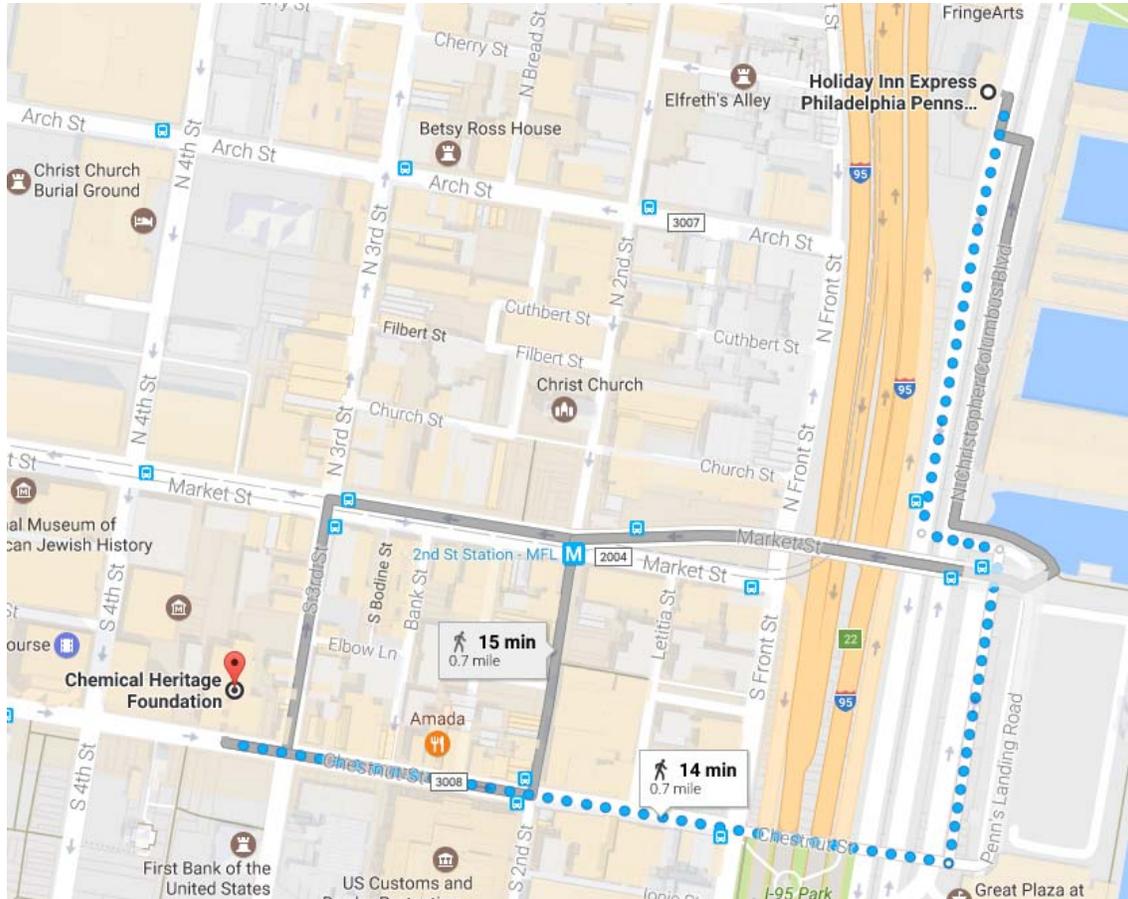
Dave and Buster's
325 N Christopher Columbus Blvd
215-413-1951



3) Sunday June 18th for the Sprit Cruise Dinner and Sporting Event. We will be taking a 2 and ½ hour dinner cruise on the Delaware River. Boarding is at 5:30 pm with the cruise being from 6-8:30 pm. The cruise will pass by the Naval Ship Yards and will highlight the Philadelphia Skyline at night from the river.



4) Sunday-Wednesday June 18-20, Thursday June 22 for the AGM Meeting Venue
Chemical Heritage Foundation
315 Chestnut Street
215-629-5356



5) Wednesday June 21 Drexel University Hall
Buses will be provided from the Holiday Inn Hotel to Drexel (see agenda for timing)

6) Wednesday June 21 Banquet will be at the Barnes Foundation
Buses will be provided from the Holiday Inn to the Barnes Foundation (see agenda for timing)
2025 Benjamin Franklin Parkway
215-278-7000

Saturday June 17th

Discrete Element Modeling Roundtable Lunch Chemical Heritage
Foundation
Members and Guests who have registered for roundtable
1130-1230

Discrete Element Modeling Roundtable Chemical Heritage
Foundation
Members and Guests who have registered for roundtable
1230-1700

Happy Hour for Early Arrivals Dave and Buster's
View Point Lounge
Members, Academics, Consultants, Guests, Accompanying
Persons
1730-1900

Dinner On Your Own
Members, Academics, Consultants, Guests, Accompanying
Persons
1900-

Sunday, June 18th

Breakfast Holiday Inn Express Breakfast Area
Members, Academics, Consultants, Guests, Accompanying Persons 0600-1000

Registration Chemical Heritage Foundation
Members, Academics, Consultants, Guests from 0800

Opening Business Meeting Ullyot Hall
Members, Consultants Willie Hendrickson, Chair

0830	Call to Order	Willie Hendrickson (IFPRI)
0840	Reading of Minutes from Last Meeting	Rajeev Gorowara (DuPont)
0850	Financial Status and Budget	Willie Hendrickson (IFPRI),
0910	Financial Secretary Discussion and Nominations	Willie Hendrickson (IFPRI)
0930	Membership Status and Invited Guests	Willie Hendrickson (IFPRI)
1000	Coffee Break	
1015	Technical Program Status	Judith Bonsall (Unilever), Jim Michaels (IFPRI)
1045	Communication Report	Rajeev Gorowara (DuPont)
1100	Planning and Other Business	Willie Hendrickson (IFPRI)

Lunch Ullyot Hall
Members, Academics 1130-1230

Lunch Franklin Room
IFPRI Management, Consultants, Guests 1130-1230

Welcoming lunch for prospective and first-time IFPRI members

AGM Welcome and IFPRI Reviews

Ulliyot Hall

Members, Academics, Consultants, Guests

Judith Bonsall (Unilever), Chair

1230	Welcome and Introduction of Guests	Willie Hendrickson (IFPRI)
1240	Opening Comments	Judith Bonsall (Unilever)
1250	Particles to Solids: Past and Present Research at Drexel University	Professor Antonios Zavaliangos Drexel University United States
1330	In-Line Sensors for Real-Time Analysis Of Bulk Powders	Professor Wuqiang Yang University of Manchester Institute of Technology United Kingdom
1410	Atomization of Highly-Viscous or Complex Fluids	Professor Nasser Ashgriz University of Toronto Canada
1450	Coffee Break	
1510	Overview of Powder Flow Workshop	Tim Bell DuPont Michel Louge Cornell University
1540	Overview of Education Workshop	Jim Michaels University of Delaware Jim Litster University of Sheffield
1610	Overview of DEM Roundtable	Prashant Gupta P&G
1630	Adjourn	

Mystery Sporting Event and
Social Hour

Spirit Cruises

Members, Academics, Consultants, Guests, Accompanying
Persons

1730-1900

Monday, June 19th

Breakfast	Holiday Inn Express Breakfast Area
Members, Academics, Guests, Accompanying Persons	0600-1000

Registration	0800
Members, Academics, Consultants, Guests	

Project Reviews (Part I)		Ullyot Hall
Members, Academics, Consultants, Guests		Judith Bonsall (Unilever), Chair
0800	Session Introduction	Judith Bonsall (Unilever)
0805	Creating Tuneable Agglomerates via 3D Printing	Professor Karen Hapgood Monash University Australia
0825	Prediction of Segregation	Professor Joe McCarthy University of Pittsburgh USA
0845	Powder Structure Control	Professor Reinhard Kohlus Hohenheim University Germany
0915	Relating Compaction Performance & Behavior to Process Conditions	Professor Antonios Zavaliangos Drexel University USA
0925	Spray Drying at High Temperatures	Professor Andrew Bayly University of Leeds
0935	Flowability Assessment of Weakly Consolidated Powders	Dr. Colin Hare and Dr. Ali Hassanpour University of Leeds United Kingdom
9:55	Coffee	
1015	Predicting Milling Behavior	Professor Jin Ooi University of Edinburgh United Kingdom

1025	Die Filling of Aerated Powders	Professor Charlie Wu University of Surrey United Kingdom
1035	Model-Based Control of Crystallization	Professor Zoltan Nagy Purdue University United States
1055	Long Term Stability of Colloidal Gels	Professor Wilson Poon University of Edinburgh United Kingdom
1105	Molecular Self Assembly	Professor Uli Wiesner Cornell University
1115	Dry Powder Rheology	Professor Karen Daniels North Carolina State University United States
1125	Introduction to Poster Presentations	Willie Hendrickson (IFPRI)
1130	Poster Presentations	
1230	Break for Lunch	

Lunch	Ullyot Hall
Members, Academics, Consultants, Guests	1240-1400

Project Reviews (Part II)	Ullyot Hall
Members, Academics, Consultants, Guests	Judith Bonsall (Unilever), Chair

1330	Poster Session Continuation	
1430	Coffee	
1500	Poster Session Continuation	

Poster Feedback		Ullyot Hall
Members, Academics, Consultants, Guests		Judith Bonsall (Unilever), Chair
	1600 Academic Feedback from Poster Talks	
	1730 Adjourn	

Happy Hour and Beer Tasting		Chemical Heritage Foundation
Members, Academics, Consultants, Guests, Accompanying Persons		1730-1900
1730	Happy Hour	Location To Be Announced
1900	Dinner	On Your Own

Tuesday, June 20th

Breakfast	Holiday Inn Express Breakfast Area
Members, Academics, Consultants, Guests, Accompanying Persons	0600-1000

Registration	from 0800
Members, Academics, Consultants, Guests	

Members Discussion of Projects	Ullyot Hall
Members, Consultants, Guests	Judith Bonsall (Unilever), Chair

0800 Discussion

Prospective Member Presentations	Ullyot Hall
Members, Academics, Consultants, Guests	Willie Hendrickson (IFPRI), Chair

0900 Introduction	Willie Hendrickson (IFPRI)
0905 Prospective Member Presentations	
1000 Break	

New Project Proposal Discussion	Ullyot Hall
Members, Academics, Consultants, Guests	Judith Bonsall (Unilever), Chair

1030 Session Introduction	Judith Bonsall (Unilever)
1035 Discussion of proposals	

Lunch	Ullyot Hall
Members, Academics, Consultants, Guests	1200-1330

Technical Planning Session
Members, Academics, Consultants, Guests

Ullyot Hall
Judith Bonsall (Unilever),
Chair

- 1330 Introduction and Instructions
- 1340 Idea Generation (Projects/Workshops/Reviews)
- 1530 Coffee Break
- 1600 Idea Feedback
- 1700 Refine Ideas
- 1800 Adjourn

Dinner
Members, Academics, Consultants, Guests

On Your Own
1900 -

Wednesday, June 21th

Breakfast **Holiday Inn Express Breakfast Area**
Members, Academics, Guests, Accompanying Persons 0600-1000

Registration **Drexel University**
Members, Academics, Consultants, 0800-0900
Guests, Students

Professor Robert Pfeffer **Drexel University**
Symposium **Bossone Research Center**
Mitchell Auditorium
Members, Academics, Consultants, **Professor Robert Pfeffer, Chair**
Guests, Students

0800	Buses Arrive	Front of Holiday Inn Express
0900	Welcome	Antonios Zavaliangos (Drexel University)
0905	Introduction	Bob Pfeffer (Arizona State University)
0910	Forces, Stresses and the (Thermo?) dynamics of Active Matter	John Brady (California Institute of Technology)
0950	Complexities in Gas-Particle Flows	Sundar Sundaresan (Princeton University)
1040	Tea and Coffee Break	
1110	MFIX Simulations of Gas-Solid Flow in Large Scale Fluidized Bed Reactors	Tingwen Li (AECOM/NETL)
1150	Confinement-Induced Structural Forces in Colloidal Dispersions and their Applications	Darsh Wasan (Illinois Institute of Technology)

Lunch **Drexel University**
Members, Academics, Guests, Students 1240-1330

Afternoon Presentations and
Poster Session

Drexel University
Bossone Research Center
Lobby

Members, Academics, Guests, Students

Reg Davies (IFPRI Emeritus
President), Chair

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| 1330 - 1630 | Poster Session |
| 1530 | Coffee and Tea |
| 1630 | Announcement of Student Award Winners |
| 1640 | Return to Holiday Inn Express |

Banquet

The Barnes Foundation Museum

Members, Academics, Consultants, Guests, Accompanying Persons

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|------|---|
| 1845 | Meet in Holiday Lobby for bus ride to The Barnes Foundation |
| 1900 | Bus Ride |
| 1930 | Drinks and Hor D'oerves |
| 2030 | Dinner |
| 2230 | Return to Hotel |

Thursday, June 22th

Breakfast	Holiday Inn Express Breakfast
Members, Academics, Consultants, Guests, Accompanying Persons	Area 0600-1000

Technical Program Selection Session	Franklin Room
Members, Consultants, Guests	Judith Bonsall (Unilever), Chair
0800 Call to Order and Introduction With Agenda to be Presented	Judith Bonsall (<u>Unilever</u>)
1000 Working Coffee Break	
Prospective Member Comments	Franklin Room
Members, Guests, Consultants	Willie Hendrickson (IFPRI), Chair
1230	

Lunch	
Members, Academics, Guests	1245-1400

Final Business Meeting	Franklin Room
Members, Consultants	Willie Hendrickson (IFPRI), Chair
1400 New Financial Secretary Discussion And Vote	Willie Hendrickson (IFPRI)
1430 Membership Discussion	Willie Hendrickson (IFPRI)
1500 2018 and 2019 AGM Site Confirmation and Selection	Willie Hendrickson (IFPRI)
1515 Final Budget	Willie Hendrickson (IFPRI)
1545 Other Business	All
1615 Adjourn	

End of 2017 IFPRI AGM

