

## The Symposiums Organized by

**Musaev, Djamaladdin (Jamal) G.**

*Director, Cherry L. Emerson Center for Scientific Computation,  
and Department of Chemistry  
Emory University*



### International Meetings:

1. Member of the Local Committee (coordinator of the scientific program) of the 9<sup>th</sup> Intern. Congress of Quantum Chemistry, Emory University, Atlanta, USA, 9-14 June, **1997**
2. Co-Chair of the Organizing Committee: Intern. Symposium: "In the Frontiers of Quantum Chemistry and Chemical Reactions", Emory University, 21-22 May **1999**.
3. Member of the Local Committee of the International Conference of ADHOC-2002, Atlanta, Georgia, July, **2002**.
4. Chair of the Organizing Committee: "The Interface of Computation with Chemistry and Biochemistry: Methods and Applications" within 55th Southeast Regional Meeting of the American Chemical Society (SERMACS-03), Atlanta, Georgia, November 16-19, **2003**.
5. Co-Chair of the Organizing Committee: NATO Symposium "From Simplicity to Complexity in Chemistry and Beyond: Interplay Theory and Experiment", Baku Azerbaijan, May 26-29, **2008**.
6. The Scientific Program Organizer: "International Conference on the Modern Problems of Chemistry and Chemical Technology" Baku, Azerbaijan, April 17-21, **2013**,
7. Co-Chair of the Japan-Russia Symposium, within the International Conference: "Metals in Organic Synthesis": Moscow, Russia, Sept, 15-20, **2015**
8. Co-Chair of the International Symposium "Physical Chemistry in Russia and Abroad: From Quantum Chemistry to experiments" Chernogolovka, Moscow Region, Russia, June 17-19, **2019**.
9. Co-Chair of the International Symposium "Theory and Computation for Complex Molecular Systems" within Pacifichem-2021, December, **2021**, Hawaii.

### The Organizer of the Emerson Center Lectureship Award Symposium: (see attached slide)

1. *Interface of Computers with Chemistry, Physics, Biology and Materials: Methods and Applications*,\_KeyNote Speaker, **Prof. William A. Goddard III** (CalTech), Emory University, Atlanta, GA, May 01, **2004**
2. *Computational and Mathematical Modeling in Biological Sciences*,\_KeyNote Speaker, **Prof. George Oster** (Berkeley), Emory University, Atlanta, GA, May 04, **2005**
3. *Computational and Mathematical Modeling in Large Systems: From Proteins to Cells*, KeyNote Speaker, **NOBEL laureate, Prof. Martin Karplus** (Harvard), Emory University, Atlanta, GA, April 03, **2006**
4. *Systems Biology: Molecules to Populations*,\_KeyNote Speaker, **Prof. George Church** (Harvard and MIT), Emory University, Atlanta, GA, April 06, **2007**

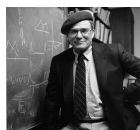
5. *Scientific Computing and Fast Algorithms*:\_KeyNote Speaker, **Prof. Leslie Greengard** (New York University), Emory University, Atlanta, GA, March 31, **2008**
6. *Computation and Energy: Search for Renewable and Sustainable Energy*: KeyNote Speaker, **Prof. Daniel G. Nocera** (MIT), Emory University, Atlanta, GA, March 02, **2009**
7. *Revolutionalizing Strategies for Carbon-Carbon and Carbon-Heteroatom Bond Formation: Interplay of Theory and Experiment*:\_KeyNote Speaker, **NOBEL laureate, Prof. Ei-ichi Negishi** (Purdue), Emory University, Atlanta, GA, April 27, **2011**.
8. *Insights to Modern Problems of Life Sciences: Interplay of Theory and Experiment*,\_KeyNote Speaker, **Prof. Klaus Schulten** (U. of Urbana Champaign), Emory University, Atlanta, GA, April 20, **2012**.
9. *Fundamental Principles of and Multi-Disciplinary Approaches to Nitrogen Fixation*, KeyNote Speaker, **NOBEL laureate, Prof. Richard R. Schrock** (MIT), Emory University, Atlanta, GA, March 26, **2013**.
10. *CRC (Hokkaido University) - Emerson Center (Emory University) Joint International Symposium on "Chemical Theory for Complex Systems"*,\_KeyNote Speaker, **Prof. Keiji Morokuma** (Emory, and Kyoto), Emory University, Atlanta, GA, January 9-10, **2014**.
11. *Multi-Functional Materials in Chemistry, Biology, and Medicine*,\_KeyNote Speaker, **Prof. Chad A. Mirkin** (Northwestern), Emory University, Atlanta, GA, October 05, **2015**.
12. *Molecular Level Understanding of Complex Systems*,\_KeyNote Speaker, **NOBEL laureate, Prof. Arieh Warshel** (U. of Southern California), Emory University, Atlanta, GA, September 23, **2016**.
13. *Sustainable Energy: Fundamental Principles, Multidisciplinary Approaches and Progress*, KeyNote Speaker, **Prof. Emily Ann Carter** (Princeton), Emory University, Atlanta, GA, November 02, **2017**.
14. *The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond*,\_KeyNote Speaker, **NOBEL laureate, Prof. Fraser Stoddart** (Northwestern), Emory University, Atlanta, GA, October 16, **2018**.
15. *Advancing Molecular Sciences by Machine Learning and Quantum Computing*,\_KeyNote Speaker, **Prof. Alan Aspuru-Guzik** (Toronto, Canada), Emory University, Atlanta, GA, October 11, **2019**.
16. *Proton-Coupled Electron Transfer in Biology Catalysis, and Energy Conversion*,\_KeyNote Speaker, **Prof. Sharom Hammes-Schiffer** (Yale), Emory University, Atlanta, GA, April 21, **2022**.



# Emerson Center Lectureship Award Winners



2004



**William Goddard, III**  
Caltech

2005



**George Oster**  
UC Berkeley,

2006 2013



**Martin Karplus**  
Harvard

2007



**George Church**  
Harvard

2008



**Leslie Greengard**  
New York University

2009



**Daniel Nocera**  
MIT

2011 2010



**Eiichi Negishi**  
Purdue University

2012



**Klaus Schulten**  
U Illinois

2013 2005



**Richard Schrock**  
MIT

2014



**Keiji Morokuma**  
Emory, Kyoto

2015



**Chad Mirkin**  
Northwestern

2016 2013



**Arie Warshel**  
USC

2017



**Emily Carter**  
Princeton

2018 2016



**Fraser Stoddart**  
Northwestern

2019



**Alan Aspuru-Guzik**  
Toronto, Canada

2022



**Sharon Hammes-Schiffer**  
Yale