

**Committee on Identifying Opportunities at the Interface of Chemistry and Quantum
Information Science**

Information Gathering Session 3 :

<https://nasem.zoom.us/j/97762707476?pwd=RUdnWGRBaWYzYk0zSjRXWG5pTXZTd09>

Agenda

July 15th, 2022, 2:15 - 5:40 pm EST

2:15 Welcome and Introductions

Theodore Goodson, Committee Chair
The Richard Bernstein Collegiate Professor of Chemistry
University of Michigan

Session 1. Quantum Workforce Development

2:20 Pursuing Quantum Information Science Together

Charles Tahan
Assistant Director for Quantum Information Science
Director of National Quantum Coordination Office
Office of Science and Technology and Policy

2:35 Q&A with Committee

Moderated by: Theodore Goodson
The Richard Bernstein Collegiate Professor of Chemistry
University of Michigan

2:50 QIS-Chemistry and Education: Barriers to Entry from an Academic Perspective

Rigoberto Hernandez
Director of the Open Chemistry Collaborative in Diversity Equity
Gompf Family Professor of Chemistry
Department of Chemistry
John Hopkins University

3:05 Q&A with Committee

Moderated by: Marilu Garcia-Perez
Scientist II
Critical Materials Institute
Iowa State University
Ames Laboratory

3:20 Economic Development and Barriers to Entry at the Interface of Chemistry and QIS

Joseph Broz

Vice President Quantum Growth and Markets

IBM in Yorktown

3:35 Q&A with Committee

Moderated by: David Awschalom

Liew Family Professor in Spintronics and Quantum Information

Pritzker School of Molecular Engineering

The University of Chicago

3:50 Break

Session II. Economic Development in QIS & Chemistry

4:00 Introduction

Theodore Goodson, Committee Chair

The Richard Bernstein Collegiate Professor of Chemistry,

University of Michigan

4:05 Theoretical Chemistry to Enhance Quantum Information Science: Education, Funding, Research

Keeper Sharkey

Founder and CEO

ODE

4:20 Q&A with Committee

Theodore Goodson, Committee Chair

The Richard Bernstein Collegiate Professor of Chemistry,

University of Michigan

4:35 Disrupting Computational Chemistry with Quantum Computing

Hongbin Liu

Quantum Solution Lead

Microsoft Quantum

4:50 Q&A with Committee

Moderated by: Michael Wasielewski

Clare Hamilton Hall Professor of Chemistry

Northwestern University

5:05 Q for Quantum Chemistry

Arman Zaribafiyan

CEO & Founder

Good Chemistry

5:20 Q&A with Committee

Moderated by: Damian Watkins

Chief of Research and Innovation

Aperio Global

5:35 Closing Remarks

Theodore Goodson, Committee Chair

The Richard Bernstein Collegiate Professor of Chemistry

University of Michigan

5:40 Adjourn Open Session

Break [5 min]

[CLOSED SESSION] Committee Reflection

5:45 Committee Reflection

6:00 Adjourn closed session