



SUNY STUDENT CENTER - LOBBY

**7:30 CHECK IN**

SUNY STUDENT CENTER - MULTI-PURPOSE ROOM

**8:20 WELCOME HELLO AND ADMINISTRATIVE**

Rebecca Mills – Senior International Focal Point

**8:30 WELCOME AND WORKSHOP OPENING**

Colonel Timothy Lawrence, PhD, Director, Information Directorate (RI), Commander, Detachment 4, Air Force Research Laboratory (AFRL)

**WELCOME MESSAGE**

Dr. Grace Wang, Senior Vice Chancellor for Research and Economic Development, The State University of New York (SUNY), Interim President, SUNY Polytechnic Institute

**CONGRESSMEN WELCOME (VIA VIDEO MESSAGE)**

New York State Senator, Chuck Schumer

United States Representative, Anthony Brindisi

**9:15 KEYNOTE ADDRESS: THE NATIONAL QUANTUM INITIATIVE**

Dr. Alexander Cronin, Senior Quantum Coordinator, National Quantum Coordination Office, Office of Science and Technology Policy (OSTP), United States of America

SUNY STUDENT CENTER - LOBBY

**10:15 BREAK**

SUNY STUDENT CENTER - MULTI-PURPOSE ROOM

**10:35 KEYNOTE ADDRESS: "LANDSCAPE OF US DOD QUANTUM SCIENCE RESEARCH"**

Dr. Paul Lopata, Assistant Director, Quantum Science, Office of the Under Secretary of Defense for Research and Engineering, Office of Secretary of Defense (OSD), United States of America

WILDCAT FIELD HOUSE

**11:35 LUNCH**

SUNY STUDENT CENTER - MULTI-PURPOSE ROOM

**1:00 INVITED SPEAKER: "QUANTUM INFORMATION SCIENCE AT AFRL: THE WAY AHEAD"**

Colonel Timothy Lawrence, PhD, Director, Information Directorate (RI), Commander, Detachment 4, Air Force Research Laboratory (AFRL)

**1:30 INVITED SPEAKER: "OVERVIEW OF SUNY RESEARCH ENTERPRISE AND QUANTUM RESEARCH CAPACITY"**

Dr. Grace Wang, Senior Vice Chancellor for Research and Economic Development, The State University of New York (SUNY), Interim President, SUNY Polytechnic Institute

SUNY STUDENT CENTER - LOBBY

**2:00 BREAK**

SUNY STUDENT CENTER - MULTI-PURPOSE ROOM

**2:20 KEYNOTE ADDRESS: "QUANTUM ATOMICS FROM 30,000 AND FROM 3 FEET"**

Dr. Dana Anderson, Founder, Chief Technical Officer, Founder, Chief Technical Officer

DONOVAN HALL

**3:20 TECHNICAL BREAKOUT SESSIONS**

(run in parallel) 30 min Chairperson Topic Briefing, followed by open discussions

**3:20 QUANTUM TIMING & SENSING**

Chairperson: Professor Erling Riis, Department of Physics, University of Strathclyde, Glasgow, UK

ROOM G152/AUDITORIUM

**3:20 QUANTUM COMMUNICATION & NETWORKING**

Chairperson: Dr. Thomas Jennewein, Science Lead for QEYSSat, Associate Professor in the Department of Physics and Astronomy at Institute for Quantum Computing, University of Waterloo, ON, Canada

ROOM G172/COLLABORATIVE DESIGN STUDIO

**3:20 QUANTUM COMPUTING**

Chairperson: Dr. Joe Fitzsimons, Singapore University of Tech and Design, Centre for Quantum Technologies

ROOM G225/MAKER SPACE

**5:00 END OF DAY SHUTTLE BUS DEPART FOR CONTRACTED HOTELS**

## Wednesday, 10 July 2019



### SUNY STUDENT CENTER - LOBBY

**8:00 CHECK IN**

### SUNY STUDENT CENTER - MULTI-PURPOSE ROOM

**8:20 Good Morning Administrative**

**8:30 INVITED SPEAKER: "FROM RABI OSCILLATIONS TO REAL-WORLD APPLICATIONS: TAKING QUANTUM COMPUTERS TO THE NEXT LEVEL"**

Dr. Doug McClure, Manager, Research Staff Member, IBM Research Center, Yorktown Heights, NY

Mr. Daniel Maynard, Business Development Executive, IBM Research Center, Yorktown Heights, NY

**9:30 INVITED SPEAKER: "THE AFRL-USRA-NYSTEC QUANTUM INFORMATION SCIENCE PROGRAM"**

Dr. Davide Venturelli, Quantum Computing Team Lead, Research Institute of Advanced Computer Science (RIACS) at Universities Space Research Association (USRA)

**10:00 INVITED SPEAKER: "HARDWARE AND SOFTWARE ADVANCES IN QUANTUM ANNEALING"**

Dr. Edward (Denny) Dahl, Principal Research Scientist, D-Wave Systems, Inc., Burnaby, British Columbia

Dr. Victoria Horan Goliber, Research Scientist, D-Wave Systems, Inc., Burnaby, British Columbia

**10:30 BREAK**

11:00 Technical Breakout Session Outbrief

### WILDCAT FIELD HOUSE

**11:45 LUNCH**

### SUNY STUDENT CENTER - MULTI-PURPOSE ROOM

**1:15 KEYNOTE ADDRESS**

Dr. Walter Copan, Director, Undersecretary of Commerce and National Institute of Standards and Technology (NIST), United States of America

**2:15 BREAK**

**2:30 GE LIVE DEMO: "QUANTUM COMPUTING FOR ASSET SUSTAINMENT DEMO"**

Dr. Austars Schnore, GE Global Research

**2:50 POSTER SESSION**

**5:00 END OF DAY SHUTTLE BUS DEPART FOR CONTRACTED HOTELS**

### DELTA HOTEL BALLROOM

**6:00 RECEPTION**

**8:30 END OF EVENING SHUTTLE BUS TRANSIT RUNS TO CONTRACTED HOTELS**

## Thursday, 11 July 2019



### GRIFFISS INSTITUTE

**8:00 CHECK IN**

### GRIFFISS INSTITUTE AUDITORIUM

**8:15 GOOD MORNING**

Administrative

**GI WELCOME**

Griffiss Institute President, Bill Wolf

Rome, NY Mayor, Jackie Izzo

New York State Senator, Joseph Griffo

### GRIFFISS INSTITUTE

**8:30 KEYNOTE ADDRESS**

Dr. Richard Joseph, Chief Scientist, US Air Force, United States of America

### POSTERS SETUP AT GI FOR ADDITIONAL EXPOSURE AND DISCUSSION OPPORTUNITIES

### BUSES START TO SHUTTLE SMALL GROUPS ON TOURS

**9:30-4:45 ROTATING TOUR GROUPS\* AFRL QUANTUM LABS & OPEN INNOVATION ENVIRONMENT** \* see schedule

### GRIFFISS INSTITUTE

**LUNCH**

**CONTINUED, ROTATING TOUR GROUPS\* AFRL QUANTUM LABS & OPEN INNOVATION ENVIRONMENT** \* see schedule

### GRIFFISS INSTITUTE

4:45 Closing Remarks

**5:00 END OF EVENT! SHUTTLE BUS DEPART FOR CONTRACTED HOTELS**

### **TOUR GROUP #1**

**9:30 CHECK IN – TOUR GROUP #1**

9:40 SHUTTLE BUS TO THE AIR FORCE RESEARCH LABORATORY

**10:00 AIR FORCE RESEARCH LABORATORY TOUR**

11:30 SHUTTLE BUS TO GI

**11:40 LUNCH**

Posters setup at GI for additional exposure and discussion opportunities

1:10 SHUTTLE BUS TO OPEN INNOVATION ENVIRONMENT

**1:30 OPEN INNOVATION ENVIRONMENT TOUR**

3:00 SHUTTLE BUS TO GI

**3:10 POSTERS SETUP AT GI FOR ADDITIONAL EXPOSURE AND DISCUSSION OPPORTUNITIES**

### **TOUR GROUP #2**

**9:30 BREAK**

Posters setup at GI for additional exposure and discussion opportunities

10:00 SHUTTLE BUS TO OPEN INNOVATION ENVIRONMENT

**10:20 OPEN INNOVATION ENVIRONMENT TOUR**

11:50 SHUTTLE BUS TO GI

**12:00 LUNCH**

Posters setup at GI for additional exposure and discussion opportunities

**12:30 CHECK IN – TOUR GROUP #2**

12:40 SHUTTLE BUS TO THE AIR FORCE RESEARCH LABORATORY

**1:00 AIR FORCE RESEARCH LABORATORY TOUR**

2:30 SHUTTLE BUS TO GI

**2:40 POSTERS SETUP AT GI FOR ADDITIONAL EXPOSURE AND DISCUSSION OPPORTUNITIES**

### **TOUR GROUP #3**

**9:30 BREAK**

Posters setup at GI for additional exposure and discussion opportunities

**11:00 CHECK IN – TOUR GROUP #3**

11:10 SHUTTLE BUS TO THE AIR FORCE RESEARCH LABORATORY

**11:30 AIR FORCE RESEARCH LABORATORY TOUR**

1:00 SHUTTLE BUS TO GI

**1:10 LUNCH**

Posters setup at GI for additional exposure and discussion opportunities

2:40 SHUTTLE BUS TO OPEN INNOVATION ENVIRONMENT

**3:00 OPEN INNOVATION ENVIRONMENT TOUR**

4:30 SHUTTLE BUS TO GI

**4:40 POSTERS SETUP AT GI FOR ADDITIONAL EXPOSURE AND DISCUSSION OPPORTUNITIES**

### **TOUR GROUP #4**

**9:30 BREAK**

Posters setup at GI for additional exposure and discussion opportunities

11:30 SHUTTLE BUS TO OPEN INNOVATION ENVIRONMENT

**11:50 OPEN INNOVATION ENVIRONMENT TOUR**

13:20 SHUTTLE BUS TO GI

**13:30 LUNCH**

Posters setup at GI for additional exposure and discussion opportunities

**2:00 CHECK IN – TOUR GROUP #4**

2:10 SHUTTLE BUS TO THE AIR FORCE RESEARCH LABORATORY

**2:30 AIR FORCE RESEARCH LABORATORY TOUR**

4:00 SHUTTLE BUS TO GI

**4:10 POSTERS SETUP AT GI FOR ADDITIONAL EXPOSURE AND DISCUSSION OPPORTUNITIES**