Session Program

Jan 11 – 13, 2019

[POTUS2019] Quantum Entanglement Science and Technology

Google Venice Science Sessions

Andaz WH/Google/Caltech

Sat, January 12

8:50 AM

Google Venice Science Sessions: Session G-I

Session | **Location:** Google Venice, Doors | **Convener:** Oscar Painter

8:50 – 9:00 AM **Welcome**

Speaker
Hartmut/Maria .

9:00 – 9:30 AM **Teaching machines quantum mechanics**

Speaker
Irfan Siddiqi

9:30 – 10:00 AM **Quantum science with atom arrays**

Speaker
Misha Lukin

10:00 – 10:30 AM **Entanglement, AMO & new phases of matter**

Speaker
Norman Yao

10:35 AM

10:55 AM

Google Venice Science Sessions: Session G-II

Session | **Location:** Google Venice, Doors | **Convener:** Neil Sinclaire

10:55 – 11:25 AM **Quantum chemistry in an age of quantum technology**

Speaker
Garnet Chan

11:25 – 11:55 AM **Quantum technology & gravitational waves exploration**

Speaker
Rana Adhikari

11:55 AM – 12:25 PM **Quantum photonic materials and scalable systems**

Speaker
Jelena Vuckovic

12:30 PM

1:30 PM

Google Venice Science Sessions: Session G-III

Session | **Location:** Google Venice, Doors | **Convener:** Michael Turner

1:30 – 2:00 PM **Black Hole Microstate Cosmology**

Speaker
Mark Van Raamnsdonk

2:00 – 2:30 PM **DeSitter universe & entanglement**

Speaker
Eva Silverstein

2:30 – 3:00 PM **Holography & entanglement**

Speaker
Veronika Hubeny

3:10 PM

3:30 PM

Google Venice Science Sessions: Session G-IV

Session | **Location:** Google Venice, Doors | **Convener:** Joe Lykken

3:30 – 4:00 PM **Quantum null energy condition**

Speaker
Raphael Bousso

4:00 – 4:30 PM **On Scrambling, locality & wormhole teleportatiion**

Speaker
Daniel Jafferis

4:30 – 4:50 PM **Discussion**

Speaker
. ALL

4:55 PM