

# TECHNOLOGY



#### PETER E. GRAUBE - 11:15AM NASA-Ames Research Center Engineer

Peter Graube has worked at NASA for more than 30 years on automated wind tunnels, a specialized wind tunnel test, arc jets, centrifuges, laser systems, a shock tube, a rocket motor testbed. He recently engineered a software specification procedure to comply with stringent new software standards. Peter brought to NASA extensive innovation experience. After earning a degree in physics from University of Michigan, Peter taught mathematics for a year at St. Paul's School. He then moved into engineering, where he discovered a passion for machine automation and went on to automate factories for automobiles, mirrors, furniture, and brass extrusions. An avid orienteer, Peter has competed in 24-hour events in the Arctic Circle and central Australia.

#### JACK MCCAULEY - 12:45PM Guitar Hero Developer / Co-Founder and Former Chief Engineer of Oculus Rift

Jack McCauley, an engineer, hardware designer, inventor, video game developer and philanthropist, is best known for designing the guitars and drums for Guitar Hero, considered one of the most influential video games of the 21st century. He was also co-founder and chief engineer at Oculus, where he took Palmer Luckey's original prototype and built it into the Oculus DK1 and DK2 virtual reality headsets. An alumni of the UC Berkeley College of Engineering, where he attended on a full scholarship, Jack now teaches design innovation there and serves as an Innovator-in-Residence at Jacob's Hall. He holds numerous U.S. patents for inventions in software, audio effects, virtual reality, motion control, computer peripherals, and game controllers.

#### KARL WENTE - 1:45PM Fifth Generation Winemaker and Senior Vice-President of Winemaking

Karl Wente oversees all winemaking at Wente Family Estates. Since joining the family business in 2001, he has led wine innovation, started Nth Degree, and helped expand the Wente Family Estates portfolios. He holds a degree in Chemical Engineering from Stanford University and two Master's degrees in Horticulture (Viticulture) and Food Science (Enology) from the University of California at Davis. Karl grew up working at the winery and also worked with Peter Michael Winery in Sonoma and Brown Brothers winery in northern Victoria (Australia), and balances his strong academic background with the traditional hands-on approach of prior generations. Karl's creativity also extends to music and he plays locally with his band The Front Porch.

## BANKHEAD PLAZA



- 5 The Stratospheric Observatory for Infrared Astronomy 6 NorCal Mars Society 7 Lawrence Livermore National Laboratory 8 Patriots Jet Team 9 Las Positas College Engineering 10 Las Positas College 11 First Generation Farmers 12 Farm Fresh to You
- 17 Amador Valley High School 18 First Aide Station 19 Rhythmic Innovation 20 Tri Valley Coder Dojo 21 Garvitech - Livermore High School 22 Little Kalidasa 23 Vishu Visual Arts Center

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29 1970s vintage computers 30 Art Form 31 Livermore Public Library 32 Lithophiles 33 Cantabella Children's Chorus 34 LED art 35 JEI Learning center Bothwell Arts Center - Wheel Pottery

## BANKHEAD LOBBY

RESTROOMS

THEATER

PETER GRAUBE (NASA) - 11:15AM

JACK MCCAULEY (Oculus Rift) - 12:45PM

KARL WENTE (Wine grower) - 1:45PM

**ELEVATOR** 

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FOOD COURT

GREEN ROOM
NASA
WORKSHOPS

12:15, 1:15 & 2:15<sub>PM</sub>

FOUNDER'S ROOM

VR THEATER

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ENTRANCE

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46

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## UPSTAIRS LOBBY

TO THEATER TO THEATER

53 52 51 50 49 48

- 36 Livermore Science and Society Center
- 37 Girls Scout Robotics
- 38 Guleriabotics
- 39 EEVEE3 First Lego League
- 40 Giraffe Space Video Production
- 41 Atomic Penguin
- 42 Conductive Ink Music

- 43 Piper Inc. Minecraft
- 44 Challange Bot Learn how to Tinker
- 45 Bits Bytes And Pixels
- 46 Open Source Robotics Center
- 47 Hindu Cultural Center of Youth and Education
- 48 Marylin Avenue STEAM
- 49 Unreal Engine Student Demonstration

- O Play-Well Technology
- Joe Michell IB world school Art students
- 52 Arroyo Seco
- 53 Bricks4Kids

### REMEMBER!

- 1. You must have a wristband to enter the Bankhead Theater. This event is being recorded and photographed. Participation in this event will be deemed consent for use of those images by Livermore Valley Performing Arts Center. Children under age 11 must be accompanied by a guardian.

  - 4. In case of a medical emergency go to STAT Med booth or notify nearest staff or volunteer. Seating for the Speaker series is first come, first served. Doors will open 15 minutes prior to the start time.

    - 7. Food will be available for purchase at the concession station but no food is allowed in the theater.

# THANK YOU TO OUR SPONSORS































Livermore Valley Performing Arts Center strives to inspire and nurture creativity and a love for arts in students of all ages. Our outreach program includes such major district-wide events as the Livermore Innovation Fair in April, STEAM FEST in October, as well as the "So Wise So Young" an in-class literacy program for second grade students in Livermore Schools. Other special opportunities allow students to attend master classes with quest artists or participate in internships. Through free performances, discounted tickets, in-school assemblies, workshops, classes and cultural events, we are able to share the arts with more than 30,000 students and their families throughout the Tri-Valley each year. To find more information go to Lvpac.org/education or email education@lvpac.org