

**American Museum of Science and Energy  
presents *Festival of Photons* from  
December 1 through December 21, 2018:**

Enjoy cultural displays, musical performances, scientific demonstrations, lectures, crafts & games, hands-on activities, food shows, candlelight ceremonies, drum & dance performances, story-telling, Lab of Photons experience, & an award-winning documentary.

## Schedule of Activities

### Saturday, December 1<sup>st</sup>

- 1:30pm **Indian Cultural group**
- Classic Dance from India
  - Rangoli

### Friday, December 7<sup>th</sup>

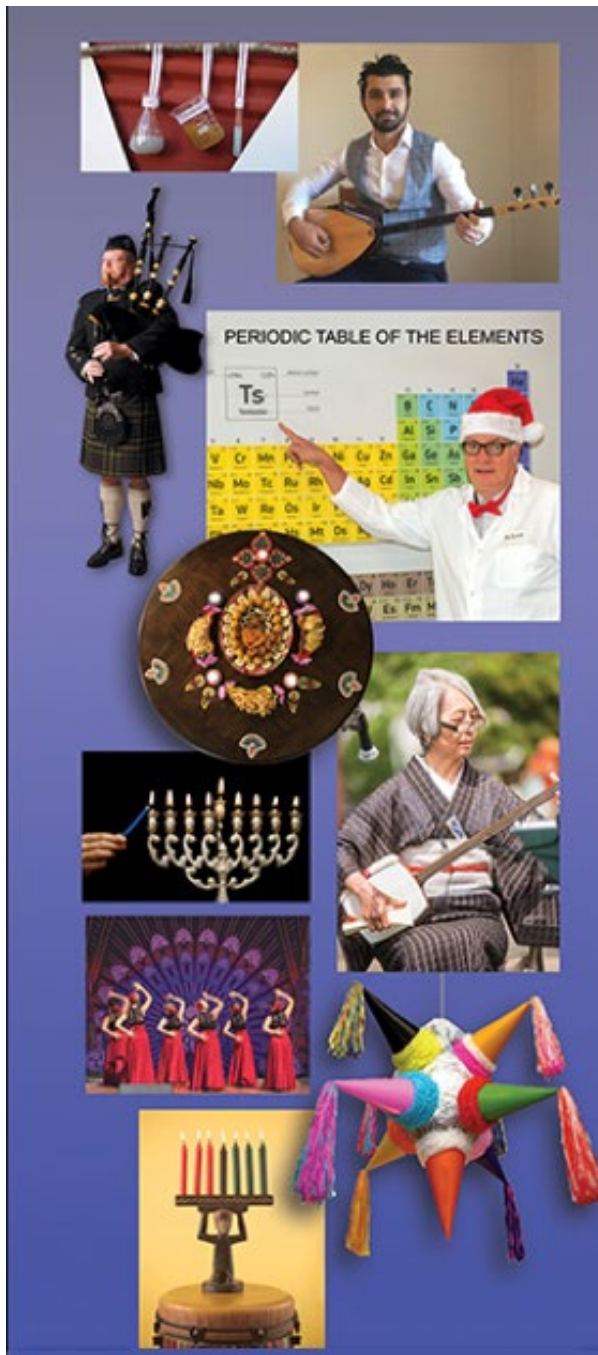
- 4:00pm **Grand Reception**
- Solo music performances:
    - Anna Tidwell & Robin Tidwell - Vocals
    - Ibrahim Aslan - Turkish Saz
    - Mark Coletti - Bagpipe
  - Wildbots demonstrations
  - Dr. Claus
  - Hands-on activities
  - Lab of Photons
  - Songs by Oak Ridge High School Ensemble
  - Opening remarks from each cultural group
  - Official unveiling of the cultural displays
- 6:30pm **“Oak Ridge Holidays through the Years,”** a lecture/conversation with City Honorary Historian Ray Smith. This activity is hosted by Fanny and Ray Smith.

### Saturday, December 8<sup>th</sup>

- 10:30-11:30am **“Light on Light”** with Kris Light, hands-on activities related to light, LASERS, and optical fibers
- 1:00-1:45pm **A Photo with Dr. Claus**
- 2:00-3:30pm **Jewish Cultural Group**
- Israeli Folk Dance - Leader, Fay Campbell
  - Story of Hanukkah / Light the Menorah - Leader, Rebecca Charles
  - Songs of Hanukkah - Singer/Guitarist, Dr. Penny Lukin
  - Dreidel Game - Leader, Judi Gray

### Friday, December 14<sup>th</sup>

- 3:30-5:00pm **Japanese Cultural Group**
- Japanese Music - Mahagi LaCure
  - Tea Ceremony - Yuko Yamaguchi
  - Martial Art and Calligraphy - Shigetoshi Eda
  - Japanese New Year Food - Kumi Alderman and Shigeko Uppuluri
- 5:30-6:15pm **Flamenco by TINADRE**
- 7:00pm **Secret City Radio Show, WDVX**



## Saturday, December 15<sup>th</sup>

- 11:00am-2:00pm **7 Principles of Light—African American Holiday Traditions**  
 11:00-11:15am **Umoja** - A Creative Introduction of African American Cultures and Traditions, *lead organization, Oak Ridge Alumnae Chapter Delta Sigma Theta Sorority, Inc.*
- 11:15-11:30am **Ujima** - Kwanza Presentation and Candle Light Ceremony, *lead organization, Knoxville Chapter Jack and Jill of America, Inc.*
- 11:30-11:45am **Kuumba** - African Drum/Dance Performance, *Indigenous Vibes*  
 11:45-11:55am **Ujamaa** - Cooperative Economics  
 11:55-12:05am **Nia** - Purpose  
 12:05-12:20pm **Kujichagulia** - Christmas Memories from Scarboro, Story Telling of Oak Ridge African American Residents, *lead organization, Xi Iota Omega Chapter Alpha Kappa Alpha, Inc.*
- 12:20-12:35pm **Imani** - Christmas Spirituals - Oak Valley Baptist Church  
 12:35-12:40pm **Kuumba** - Introduction of Yo STEM and activity demonstration  
 12:40-12:45pm Closing Remarks and Introduction of Dr. Claus  
 12:45-1:15pm **Kuumba (activity)** - STEM Light Experiments for Youth, *Youth Outreach in Science Technology Engineering and Math*
- 10:30-11:30am **“Light on Light”** with Kris Light, hands-on activities related to light, LASERS, and optical fibers – AMSE activity in Lab I  
 3:00-4:30pm **“Let There be Light,”** Award-winning documentary on ITER and the world’s pursuit of nuclear fusion as an energy source

## Friday, December 21<sup>st</sup>

- 4:00-5:00pm **Turkish Cultural group**  
 5:30-6:30pm **Greek Cultural Group**  
 6:30-7:30pm **Mexican Cultural Group**

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# HAPPY HOLIDAYS!