

Please register with [john@latigooptics.com](mailto:john@latigooptics.com)  
(for food estimate – last minute walk-ins are completely welcome)  
Those who have registered are listed at the bottom.



Co Presidents  
Virginia Ford  
Eric Ford

Vice President  
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Programs/News  
John McDonald

Secretary  
Fred Houston

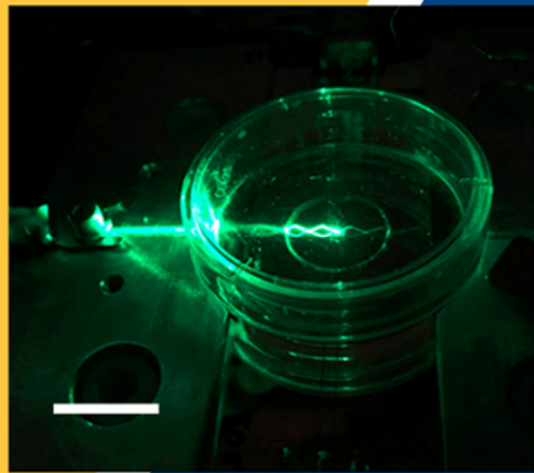
Treasurer  
John Tardif

Arrangements  
Chair  
Fred Houston

Ventura OSA (CVOSA) Announcement for October 8, 2019 ([Please RSVP](#))

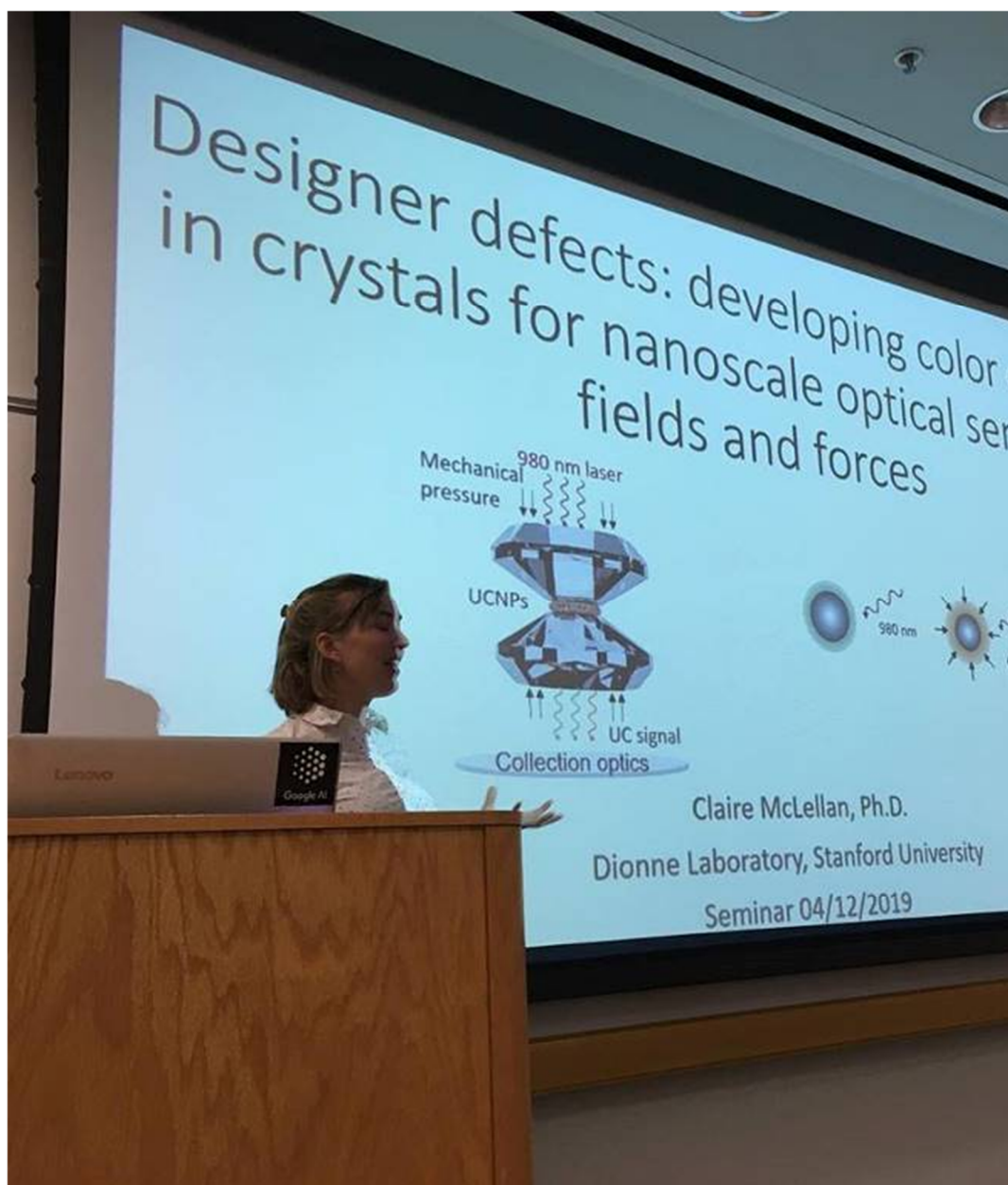
## Designer defects: Developing Color Centers in Crystals for Nanoscale Optical Sensing of Fields and Forces.

**Speaker: Dr. Claire McClellan, Stanford University, Post-doctoral Research Fellow**



### SHOW AND TELL

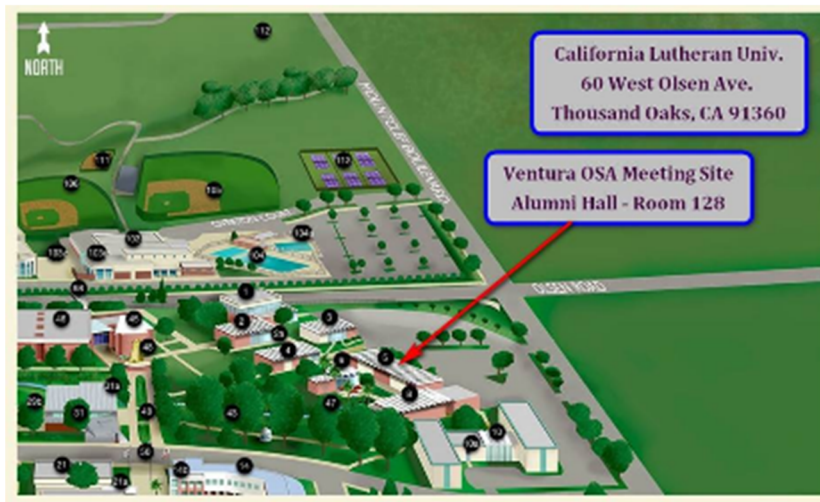
Photo of a laser being internally reflected inside a 2x2 mm diamond (located at the center of the dish). Cells placed inside the dish with culture medium can be kept alive for a few hours. (Credit: Dr. Claire McClellan, of the UCSB Jayich Lab)



### Abstract

Claire McLellan is a physicist fascinated by problems at the interface of physics and materials science. She received her B.S. in physics from Wake Forest University where she worked in Prof. Oana Jurchescu's organic electronics laboratory. From there Claire received her Ph.D. in physics from UCSB studying NV center ensembles in diamond, a quantum sensing platform, under the advisement of Prof. Ania Jayich. Currently, she is a post-doctoral researcher at Stanford University in Prof. Jennifer Dionne's research group exploring upconverting nanoparticles (UCNPs) as mechanical force sensors. In addition to her research, Claire is passionate about promoting diversity in science and has engaged in a variety of outreach and teaching activities throughout her career.

Our meeting is At Cal Lutheran University  
Alumni Hall Room 128  
3293 Mountclef Blvd, Thousand Oaks, CA



Enter the parking lot from Montclef –lots of easy parking. Park at the X, meet at the arrow.

GPS 34.224432, -118.876235 <https://goo.gl/maps/7TWoMaUHRpM755x97>

6:00p Mixing and Stand Up Dinner  
7:00p Speaker

**\$25 donation on site** (it is a donation for food, insurance and venue. If you need a no-food, student, pre-school, old age or other discount please give yourself one).



**Claire McLellan** is a physicist fascinated by problems at the interface of physics and materials science. She received her B.S. in physics from Wake Forest University where she worked in Prof. Oana Jurchescu's organic electronics laboratory. Claire received her Ph.D. in physics from UCSB employing diamonds as a quantum sensing platform, under Prof. Ania Jayich. Currently, she is a post-doctoral researcher at Stanford University in Prof. Jennifer Dionne's research group exploring upconverting nanoparticles (UCNPs) as mechanical force sensors. In addition to her research, Claire is passionate about promoting diversity in science and has engaged in a variety of outreach and teaching activities throughout her career.



Claire McLellan was a 2016 winner of the Materials Research Society (MRS) Graduate Student Gold Award.

She was also recognized for her potential as a future teacher and mentor with the Arthur Nowick Graduate Student Award. At Wake Forest University she won the National Society of Physics Students Leadership Award and the Goldwater Scholarship.





From John McDonald

Richie moved to the SF Bay area so I will resume caring for the mail list and meeting announcement for a time. Thank you Richie, for your help!

We are looking the Hub101 incubator facility as a potential meeting site with high bandwidth internet. That will let us invite remote speakers and to attend remotely. Something near to my heart since sadly I am working away on the East Coast during this talk. I would love the option to attend remotely.

Our sister group, OSSC, is organizing [tours of the James Webb telescope before it is launched](#) for the day after our meeting.

The Conejo-Ventura section of the Optical Society of America promotes optical science and optical engineering and facilitates communication and networking among optics professionals, students, and optics aficionados in the geography reaching roughly from Santa Barbara to Pasadena.

Upcoming:

- Nov 12, 2019 - Breckinridge James B. <[jbreckin@earthlink.net](mailto:jbreckin@earthlink.net)>, Space Telescope Optics To Characterize Exo-Planets.

If you want to be added or removed to/from our mail list please notify us at [john@latigooptics.com](mailto:john@latigooptics.com)

For our meeting (Ventura OSA) please register to [john@latigooptics.com](mailto:john@latigooptics.com)