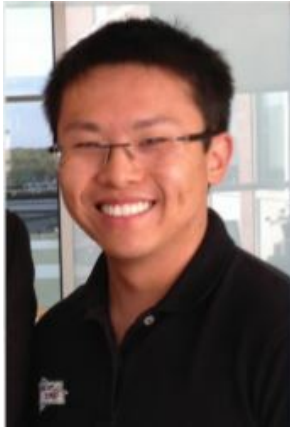




Newsletter Volume 26, Number 1

October 2019



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From the President:

Dear OSSC Members,

It's hard to believe, but we are once again starting our new program year! I want to first give thanks to our Immediate Past President, Nicolas Croglia, for his great tenure during our 2018-2019 year, and I hope to continue his efforts as we move this organization into the future!

I also want to thank the entire membership for bestowing upon me the great honor of being the first two-term President of the OSSC. When I first join the organization back in October 2012, never in my wildest dreams did I believe I would be in the position that I am in today. I am truly humbled by the faith all of you have put in me to lead this organization once again, and I promise to do everything I can to live up to that privilege!

We have a lot of amazing things ahead this coming year, which the Board of Directors and I hope will set the OSSC up for another 68 years of success! I want to announce to the members that the Board has initiated Project 2025, and formed a Strategic Task Force that will evaluate the entire organization, and lay out a set of recommendations to lead the OSSC into the future. The OSSC is at a crossroads, and necessity of our organization is more important than ever! We are blessed that we are in a strong financial position, and able to leverage that (along with our tax-exempt status) to modernize and strengthen the OSSC for the 21st century.

Our theme this year will be **TURNOUT** to bring in new members and to **ENHANCE/GROW** this community in both numbers and offerings. This will first begin with a membership wide survey that we will launch at the first meeting of the year. I highly encourage the membership to participate in this short survey, which is a chance for all of you to give your thoughts about what you would like to see from this organization. In addition, we will also launch our revamped Social Media platforms (LinkedIn, Facebook, Twitter, and Instagram) that will take our digital communications and outreach to the next level!

As we embark on this new program year, I know without a doubt this will be a landmark year for the OSSC! We are starting it off with a bang with our great speaker for October, Dr. Jon Arenberg, from Northrop Grumman with a talk about the James Webb Space Telescope. I can't think of a better way to kick off what is sure to be a banner year for the OSSC!

Thank you all again for your faith in me! Let's all come together to make this the greatest year in the history of our organization!

Sincerely,

Bo Wang
OSSC President 2019-2020

Wednesday 9 October
Tours of and Talk on
The James Webb Space Telescope;
Its Mission, Design and
Development

by

Dr. Jon Arenberg,
Northrop Grumman Space Technology

Abstract: This talk introduces the James Webb Space Telescope, NASA's next large astrophysics mission. Webb's science goals; detection of the universe's first light, assembly of galaxies, birth of stars and observation of planets and exo-planets are introduced. We will explore how the design responds to mission requirements and produces the performance necessary to achieve the mission's goals. Many of the unique elements of the architecture will be explored. The main engineering challenges for largest telescope ever built in space are discussed and the role of materials highlighted. Finally, the current status of the hardware and path to launch will be given.

JWST Tours at NGST: 5:00

(Groups every 20 minutes, meet at [NGST Parking Lot](#))

[Space Park Map for JWST with Parking-Meet](#)

Click for Northrop visitor
authorization for JWST Tour

*(unfortunately, Foreign Nationals no longer
permitted
on tour of JWST)*

Networking & Social Hour: 6:00

Dinner: 7:00

Members: \$40, Non-Members: \$45,

OSSC Student Members: \$20

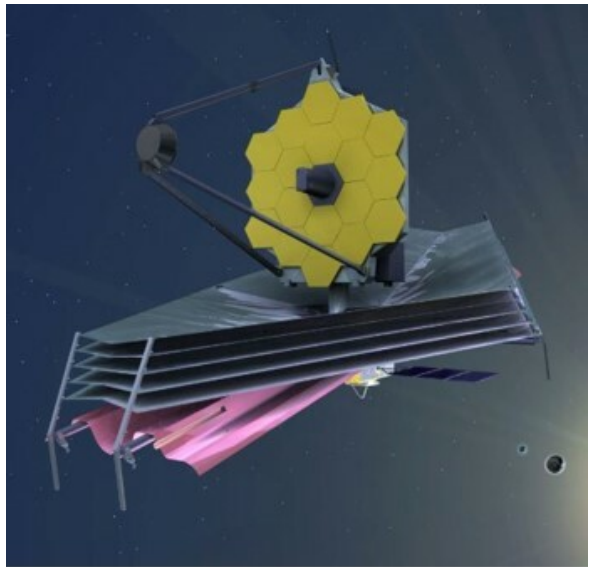
Presentation: 8:00

Venue: Ayres Hotel

[14400 Hindry Avenue, Hawthorne](#)

Register Now!

[Download the flyer to share with friends and colleagues!](#)



Thoughts from a Fellow:

Hello OSSC members and other readers,

We are going through two important changes to our society. This will be the first year a past president of the OSSC will serve as president again. The main reason for

this has to do with the OSSC becoming a 501(C)3 nonprofit organization. The legal and fiduciary responsibilities of the OSSC officers has changed and we want to make sure to follow all the necessary guidelines. We will also have past presidents serve as Vice President and Treasurer. The second change will be with this newsletter whose format will now be completely electronic as in an eNewsletter. The way the Optical Society of Southern California is lead and how events and news are communicated can have a major impact on the future of the society.



The OSSC is fortunate to have a great many leaders who care deeply about the future of the society and continue to volunteer their time and energy to benefit the members and the optics community in general. We look forward to working with many of you to prepare you for your future roles as leaders of the OSSC. There may be some changes to the number of volunteer leadership positions available and there will be more streamlined roles and responsibilities for them. We will reach out to more of the local colleges and university communities and their student optical society / SPIE chapters to invite them to our society's activities. And we hope to get informed about their activities including meetings at their respective schools and optics outreach programs.

It is time to take the OSSC to the next level of a very active and responsible organization and play a greater role in the optics and photonics community at large. There are many things we have done, like our participation in the National Photonics Initiative (NPI), Mirror Tech Days; and June's meeting topic on the National Quantum Initiative (NQI). We will also seek to finally launch the Southern California Optics and Photonics Enterprise (SCOPE) in the coming year to benefit our corporate members who we owe so much of our success.

I am personally thankful for the Optical Society of Southern California members and leaders and therefore I will continue to do all I can to benefit this organization. I invite you to join me and many others to help lead the OSSC into the future.

Hope to see you at an OSSC event soon.

Sincerely,
Donn M. Silberman
OSSC Past President & Fellow
Current OSSC Newsletter Editor



2019-2020 ELECTIONS RESULTS **Congratulations New Officers!!**

President: Bo Wang
Vice President: Charles Gaugh
Secretary: Stan Klyza
Treasurer: Martin Hagenbuechle
Councilors: Anthony Oceguela, Russell Rauch
& Kevin Romero
The **OSSC** would love for you to join our leadership team.
Planning for the next active period has begun.

If you would like to help, please
contact **OSSC** President [Bo Wang](#).

Below are the current OSSC Volunteer Leaders

<i>Communications Chair</i>	Bo Wang
<i>Corporate Memberships</i>	OPEN
<i>Fellows Chair</i>	Harvey Spencer
<i>Golf Event Chair</i>	Donald Miller
<i>Grant Chair</i>	OPEN
<i>Historian</i>	Tom Godfrey
<i>Jobs Board Coordinator</i>	OPEN
<i>Mt. Wilson Coordinator</i>	T. Scott Rowe
<i>Newsletter Editor</i>	Donn Silberman
<i>Newsletter Assistant</i>	OPEN
<i>Outreach Chair</i>	Anthony Ocegueda
<i>Student Chapters</i>	Alex Small
<i>Treasurer's Assistant</i>	OPEN
<i>Website Chair</i>	Robert Cartland
<i>Website Content</i>	Charles Gaugh



**Our first recipient of the OSSC Lifetime Achievement Award sent a short note to us last week.
It is shared here:**

Dear All: By the randomness of events in life , I will be 90 on 10/04/2019.

Murty V Mantravad

There were many replies via standard email and the one that touch my heart was:

Happy birthday, Murty!!!

Your brilliance, generosity, and kindness are a beautiful gift to humankind. I'm so blessed to have you in my life as a friend and mentor.

**Love,
Susan (Rico) OSSC Past President & Fellow**



PHOTONICS TECHNOLOGY

Laser and Photonics Technology instructors lead hands-on, laboratory-driven classes, utilizing state-of-the-art industrial equipment, based on the



[UCI Optical Engineering 10 yrs - Photonics Spectra](#)
[from Sept 2019 Photonics Spectra Magazine](#)

The following courses are part of **Certificate Programs** in:
[Optical Engineering](#) and [Optical Instrument Design](#)

Information Session - Monday 19 August -
Noon - 1 pm.

OSSC Fellow Donn Silberman was the guest speaker.

[Recorded Session Here](#)

Fall 2019 courses begin in early October:

[Geometrical and Physical Optics](#)

[Introduction to Lens Design](#)

[Optical Systems Engineering](#)

[Past UCI Optical Engineering Webinars](#)

Go to the links above to learn more about the courses and programs.

*15% discount for **OSSC** Members on courses
Required for a Certificate.*

Email: [Jennifer Mortensen](#)
with confirmed **OSSC** Membership
to receive discount code.

[Instructors Wanted to Teach:](#)
[Optical Engineering and Optical Instrument Design!](#)

industry-guided photonics curricula written by industry professionals. In addition to laboratory skills, students are offered one-on-one support and career advice, including résumé and LinkedIn profile building.

[Program Website](#)

IVC Laser Technology is located on the
[IDEA at ATEP campus in Tustin, CA](#)

For Information Contact:
Prof. Brian Monacelli, Ph.D.
949-824-2704

IVCphotonics@ivc.edu





8th Annual Mars Rover Update & Professional Society Expo!

WHEN: Saturday, Sept 21, 2019
 TIME: 1pm to 5pm+
 WHERE: S-Café at Northrop-Grumman, Redondo Beach
 (South of Marine Ave @ Simon Ramo Drive (@ Dead End))
 COST: FREE (Parking & Admission)!

GUEST SPEAKER:
 NASA-JPL Curiosity Mission Engineer (Charles Baker)

- Amazing Curiosity Engineering & Science Results & Data To-Date
- Curiosity Landing Site Scale Model, Hardware & Mock-ups
- FREE Bottled Water & Healthy Snacks
- Special Tours of JWST Space Telescope & other Space Hardware
- Exhibit Tables from Several LA & OC Professional Societies (Planetary Society, IEEE, INCOSE, AIAA, SWE, IET, AFCEA, OC VitalLink, FSEA, IET, SAE, OSSC & SWE, among others!)
- *Kids Activities (Straw Rocket Contest, Robotic Games & More!)
- *Closing Q&A & FREE Raffle ("Space-Related") Prizes!

RSVP: <https://tinyurl.com/MarsExpoNGC2019>
Questions: fredlawler@hotmail.com

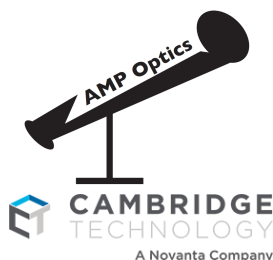
This is also an LA/OC-Area-Wide Science, Technology, Engineering & Math (STEM) Outreach, so All Kids, Students & Adults Most Welcome!!!



Our friend Cliff Wright from Vital Link requested some optics to donate and give away and an item to raffle at this Annual Mars Rover Update event and we happen to have a small case full of lenses donated to the OSSC from Edmund Optics. We had put nice OSSC labels on each lens envelope so the recipients can visit our website for more optics outreach education information. We also had an old colorful Star Ship Enterprise picture we provided for the raffle. Thanks Cliff!!

WEBSITE SPONSORS

Website Sponsors are *Corporate Members* that make an additional donation to support the **OSSC.ORG** website. They enjoy all the [benefits](#) of *Corporate Membership* AND have their



company logo and link prominently displayed along the left side of our website. Website Sponsorship dues are \$200 per year.

New Members may select the Website Sponsor option when applying for membership using the link below.

Current Members may select the Website Sponsor option when renewing their membership during the April to June renewal period or at other times by contacting the [Membership Chair](#).

All Website Sponsors may contact the [Website Team](#) to add or update their company link or logo or to resolve other website issues.

For general membership questions, please contact the [Membership Chair](#).

Become a Corporate Member or Website Sponsor!

Corporate Members



OSSC Corporate Members display their products at the December 2012 Corporate Member Appreciation Meeting.

Corporate Members benefit the **Optical Society of Southern California** through their generous donations of time, talent and financial resources. Corporate Membership dues are \$100 per year.

[Aerotech](#)

[Alluxa](#)

[AMP Optics](#)

[Äpre Instruments](#)

[AVS Southern California Chapter](#)

[AWI Industries](#)

[Cambridge Technology](#)

[Cimarron Optical Consulting](#)

[Collins Optonics](#)

[Curt Deckert Associates](#)

[Diverse Optics](#)

[DMK Engineering](#)

[e-Las Americas](#)

[Facebook Connectivity](#)

[4D Technology](#)

[Guernsey Coating Laboratories](#)

[Hadland Imaging](#)

[Infinite Optics](#)

[Inrad Optics](#)

[Isuzu Glass](#)

[Laser Components](#)

[Mahr](#)

[Mark Optics](#)

[Mendez R & D Associates](#)

[Micro Laser Systems](#)

[Mindrum Precision](#)

[Newport Corporation](#)

[Newport Thin Film Laboratory](#)

[Ohara Corporation](#)

[Optic Systems Group](#)

[Optikos](#)

[OptiPro Systems](#)

[OptoSigma](#)

[Photonics Media](#)

[Physik Instrumente](#)

[Precision Glass & Optics](#)

[Raytheon ELCAN Optical Technologies](#)

[Raytheon Space and Airborne Systems](#)

[Reynard Corporation](#)

[Schott North America](#)

[Silicon Lightwave Technology](#)

[Spectrum Scientific](#)

[SPIE](#)

[Starrett Metrology](#)

[Supply Chain Optics](#)

[Synopsis](#)

[Trioptics](#)

[II-VI Optical Systems](#)

[UC Irvine Division of Continuing Education](#)

[Zemax](#)

[Zygo](#)

CONFERENCES AND SEMINARS

SPIE.OPTIFAB

15 - 17 October 2019

Rochester, New York

Riverside Convention Center

[More Information](#)

SPIE & OSSC Join together again for:

19th Annual Mirror Technology

SBIR/STTR Workshop

Northrop Grumman Aerospace Systems Presentation
Center

Redondo Beach, California, United States

5 - 7 November 2019

SPIE. **PHOTONICS WEST** BIOS

1 - 2 February 2020

San Francisco, California

The Moscone Center

[More Information](#)

SPIE. **PHOTONICS WEST**

4 - 6 February 2020

San Francisco, California

The Moscone Center

[More Information](#)

OFC

The Optical Networking and Communication Conference & Exhibition

Technical Conference: 8 - 12 March 2020

Exhibition: 10 - 12 March 2020

San Diego Convention Center, San Diego, California, USA

SPIE. DEFENSE+ COMMERCIAL SENSING

Anaheim Convention Center
Anaheim, California, United States

26 - 30 April 2020

The Following list of OSA Student Chapters in California is a bit outdated.

The OSSC Board would like one volunteer to reach out one of these OSA / SPIE Student Chapters and become a contact person to that one college or university student chapter and optics community. Please contact Donn Silberman if you would like to volunteer.

- [California Institute of Technology - OSA Student Chapter](#)
- [California State Polytechnic University, Pomona](#)
- [Irvine Valley College \(IVC\) Student Chapter](#)
- [San Francisco State University, OSA Student Chapter](#)
- [Stanford University, Stanford Optical Society](#)
- [University of California, Berkeley, "PhotoBears" \(Joint OSA & SPIE Student Chapter\)](#)
- [University of California, Davis, Optics Club](#)
- [University of California, Irvine, Photonics@UCS \(Joint OSA & SPIE Student Chapter\)](#)
- [University of California, Los Angeles \(Joint OSA & SPIE Student Chapter\)](#)
- [University of California, Merced](#)
- [University of California, San Diego, Photonics Society at UCSD](#)

Outreach



Left: Dr. Murty Mantravadi demonstrates his Optricks!



Right: Children play with home made telescopes.

The **OSSC** supports several outreach events each year. If you would like to **volunteer** to help on a project or event, please contact **OSSC** Outreach Chair - Nick Lambert, or any member of the [Outreach Committee](#)

The OSSC Optics Outreach Programs have had a long history of success over many years. At this time we are looking forward to bringing on a new outreach leader, Anthony E. Ocegüera, from Cal Poly Pomona's Optics & Photonics Club, who will help us continue reaching many young people around Southern California. Please welcome Anthony and volunteer to help him create successful programs for the next year and beyond.

You have received this message from the mailing list of Optical Society of Southern California. If you would prefer not to receive these emails in the future, go to the [opt-out page](#) and modify your privacy settings. You can also request to be removed from our database completely.

Done