



**IEEE**

**San Diego Section**

*Celebrating*  
**80**  
YEARS

**Annual Awards  
Luncheon**

**Saturday, January 19, 2019**

**12:30 P.M.**

**University of San Diego**

**La Gran Terraza**

Celebrating  
**80**  
YEARS



**IEEE**  
**San Diego Section**

## Annual Awards Luncheon

This annual luncheon event celebrates the IEEE San Diego Section and the contributions of its 2018 leaders with transitions to the 2019 officers.

---

### PROGRAM

- |       |  |
|-------|--|
| 12:30 | Reception  |
| 1:00  | Buffet Lunch   |
| 1:30  | Chairman Opening Remarks<br>Awards Ceremony<br>Recognition of Past Chairs<br>Recognition of Section Officers<br>Installation of Officers<br>2019 Chair Remarks |
| 2:30  | Keynote—Dr. Brian Keating<br>“Losing the Nobel Prize”  |
| 3:25  | Keynote Recognition<br>Closing Remarks   |
| 3:30  | Adjournment  |
-

## KEYNOTE



### **Dr. Brian Keating**

Professor at the Center for Astrophysics and Space Sciences, UCSD

**Keynote:**  
“Losing the Nobel Prize”

### **About the Keynote Speaker**

Dr. Brian Keating is a cosmologist at the University of California San Diego and Principal Investigator of the Simons Observatory collaboration in Chile.. He is the author of more than 100 scientific publications and two U.S. patents. He was a post-doctoral fellow at Stanford and Caltech, and received a 2007 Presidential Early Career Award for Scientists and Engineers for his role in inventing the BICEP telescope. Keating is a commercial pilot with multi-engine, instrument ratings and is a Trustee of the San Diego Air & Space Museum.

### **Abstract:**

What would it have been like to be an eyewitness to the Big Bang? In 2014, astronomers using the powerful BICEP2 telescope at the South Pole thought they'd glimpsed evidence of the period of cosmic inflation at the beginning of time. Millions around the world tuned in to the announcement, and Nobel whispers spread like wildfire. But had these scientists been deceived by a galactic mirage? In this popular-level talk, cosmologist Brian Keating tells the inside story of BICEP2's detection and the ensuing scientific drama. He provocatively argues that the Nobel Prize actually hampers scientific progress by encouraging speed and competition while punishing inclusivity, collaboration, and bold innovation.

Dr. Keating will autograph copies of his popular book, *Losing the Nobel Prize: A Story of Cosmology, Ambition, and the Perils of Science's Highest Honor*, selected as one of Amazon's 20 Best Science Books of 2018, after the talk. Limited copies of *Losing the Nobel Prize* will be available at the talk and also available from Amazon

# IEEE SAN DIEGO SECTION OFFICERS

	2018	2019
Executive Committee		
Chairperson	Gabe Alcala	Kathy Herring Hayashi
Vice Chair Publicity	Upkar Dhaliwal	Zhensheng Zhang
Vice Chair Programs	Enrique Monteagudo	Douglass Evans
Secretary	Theresa Burke	Theresa Burke
Treasurer	Rudi Streif	Rudi Streif
Member-at-large	Terry Hache	Terry Hache
Member-at-large	Kathleen Kramer	Kathleen Kramer
Member-at-large	Tony Spurgin	Richard Doyle
Member-at-large	Enrique Monteagudo	Upkar Dhaliwal
Member-at-large	Ken Arnold	Gabe Alcala
Member-at-large	Larry Hamerman	Larry Hamerman
Member-at-large	Hana Merk	William Torre
Member-at-large	Kesh Bakhru	Kesh Bakhru
Jr. Past Chair	Upkar Dhaliwal	Gabe Alcala
Sr. Past Chair	Steve Smiley	Upkar Dhaliwal
Chapter Chairs		
Aerospace/Electronic Systems	Stephen Stubberud	Stephen Stubberud
AP/SSC/MTT/ED/CAS	Tony Babaian	Alvin Loke
Broadcast Technology	Murat Karsi	Manuel Guzman
Communications	Liangping Ma	Liangping Ma
Computational Intelligence	Douglass Evans	Douglass Evans
Computer Society	Natasha Balac	Natasha Balac
Consumer Electronics	Kathy Herring Hayashi	Kathy Herring Hayashi

	2018	2019
Control Systems	Mike Borrello	Michael Borello
Components, Packaging and Manufacturing	Paragkumar Thadesar	Paragkumar Thadesar
EMC	Yi Cao	Yi Cao
Eng in Med and Bio	Upkar Dhaliwal	Michael Borrello
Engineering Mgmt	Rudi Streif	
Industry Applications	Vahid Salehi	Vahid Salehi
Magnetics	Eric Fullerton	Vitaly Lomakin
Nuclear and Plasma	Terry Hache	
Oceanic Engineering	Karen Dubey	
Photonics	Paul de La Houssaye	Paul De La Houssaye
Power and Energy	Hassan Ghoudjehbaklou	Hassan Ghoudjehbaklou
Power Electronics	Nick Abi-Samra	Hassan Ghoudjehbaklou
Product Safety	Leszek Langiewicz	Bansi Patel
Reliability	Richard Doyle	Anthony Spurgin
Robotics and Auto	Doug Evans	Enrique Monteagudo
Signal Processing	Lee Fugal	Gerald Gerace
Vehicular Technology	BK Yi	Byung Yi
<b>Affinity Groups</b>		
Consultants	Alfonso Limon	Alfonso Limon
Life Members	Bill Denke	John Kroon
Women In Engineering	Theresa Burke	Theresa Burke
Young Professionals	Yi Cao	Ken Miyachi
PACE	Kesh Bakhru	Kesh Bakhru
<b>Special Interest Groups</b>		
Cyber Security	Upkar Dhaliwal	
Big Data S&E	Yongxin Zhang	
Drones	In Formation	
Humanitarian Tech	Xun Luo	
Blockchain		Ken Miyachi

Other important members include committee chairs and advisors to the UCSD graduate branch, and three San Diego IEEE branches at SDSU, UCSD, and USD

# IEEE San Diego Section



Celebrating  
**80**  
YEARS



# PAST CHAIRS

IEEE was founded in 1963 through the merger of AIEE and IRE.  
We honor and thank the following previous San Diego Section Past Chairs

## AIEE

1939 L.M. Klauber  
1940 F.F. Evenson  
1941 Walter L. Bryant  
1942 Clem J. Nevitt  
1944 Willis T. Johnson  
1945 Willis Konline  
1946 R.R. Ritchie  
1947 Charles F.  
McCabe  
1948 G.E. Jenner  
1949 Herbert A. Cordes  
1950 Joseph P. Sinnot  
1951 J. Paul Conner  
1952 Ormus L. Doolittle  
1953 Aylmer H. Keith  
1954 I.E. McDougal  
1955 E.F. Kotnik  
1956 E.B. Love  
1957 B.A. Weiss  
1958 L.L. LaZelle  
1959 M.R. Marston  
1960 J.W. Crooks, Jr.  
1961 L.R. Knerr  
1962 R.W. Kinslow  
1963 Alvord Paull

## IRE

1945 Edwin B.  
Robinson  
1946 David C. Kalbfell  
1947 Rawson Bennett  
1948 Clyde Tirrell  
1949 Louise G. Trolese  
1950 Everett W.  
Thatcher  
1951 John P. Day  
1952 Victor Welge  
1953 Chesney R. Moe  
1954 William S. Ivans

1955 Francis X. Byrnes  
1956 Robert A.  
Kirkman  
1957 Edward J. Moore  
1958 Allan H. Drayner  
1959 Raymond J. Cary  
1960 Robert E. Homer  
1961 David G. DeHaas  
1962 Edward W.  
Carlson

## IEEE

1963 Alvord Paull  
1964 Kenneth O'Neal  
1965 Fred W. Garrison  
1966 Robert Hively  
1967 William Davis  
1968 Glen Eggen  
1969 O. Everett  
Wiedmann  
1970 Eric Herz  
1971 Frank Martin  
1972 Richard K.  
Walter  
1973 Chuck Inskeep  
1974 Charles M. Davis  
1975 David E.  
Atkinson  
1976 D.L. Knittel  
1977 Robert C. Kolb  
1978 Frederick G.  
Suffield  
1979 Gary Dunsmore  
1980 David Buck  
1981 Joseph Birney,  
1982 Carl F. Gerle, Jr.  
1983 Harlan Faller

1984 Kesh Bakhru  
1985 Peter Lanner  
1986 F.J.M. Sullivan  
1987 Larry Hamerman  
1988-89 Michael  
Aronstein  
1989-90 Richard  
Milligan  
1990-91 James Bussert  
1992-93 Robert Lob-  
bia  
1994 Cathy Quick  
1995 Hana Abu Salem  
1996 Ken Kalbfell  
1997 Jim Walker  
1998 Steve Adamson  
1999 Fred Harris  
2000 Stephen  
Stubberud  
2001 Christine  
Williams  
2002 Kathleen Kramer  
2003 David Bernardin  
2004 Steve Adamson  
2005-06 Terry Hache  
2007 Anthony Spurgin  
2008 Ram  
Parameswaran  
2009-10 Mark  
Frankfurth  
2011-12 Xun Luo  
2013-14 Steve Smiley  
2015-16 Upkar  
Dhaliwal  
2017-18 Gabriel  
Alcala



**IEEE**

**San Diego Section**



Celebrating  
**80**  
YEARS

