

STATISTICS SEMINAR

**TUESDAY, MARCH 10
1-2pm in Live Oak 1219**

Our speaker is **Professor S. Rao Jammalamadaka** from the **Department of Statistics and Applied Mathematics** at UC-Santa Barbara.

Gaps between Observations –What can one learn from them?

Abstract: This talk will provide an overview of some of the main ideas in the theory of spacings, i.e. the gaps between successive observations. After reviewing some basic properties of spacings, their use in testing statistical hypotheses and in estimating parameters will be discussed. Two-sample tests based on “spacings-frequencies” and their relationship to locally most powerful rank tests will be explored, as are some possible extensions to observations in higher dimensions.

About our speaker: After obtaining a Ph.D. at the Indian Statistical Institute, Kolkata in 1969, Professor S. Rao Jammalamadaka taught at the Indiana University and the University of Wisconsin before settling down at the University of California, Santa Barbara since 1976, where he is now a Distinguished Professor. Professor Jammalamadaka achieved international reputation for pioneering work in developing new tools to analyze nonlinear phenomenon like directions and circularity. He has been an Invited Speaker at more than 300 national and international statistical meetings all over the world. He is a Fellow of the American Statistical Association, and the Institute of Mathematical Statistics among others, and has received an Honorary Doctorate from Sweden in 2012. In recognition of having supervised 45 Ph.D. students who are all well placed academically and professionally, he received the “*Outstanding Graduate Mentor*” Award from the University of California, in 2017. He also received “*Dr. C. R. Rao Life Achievement Award*” from Indian Society for Probability and Statistics. More details can found at:

<http://www.pstat.ucsb.edu/faculty/jammalam/>

All students and faculty are very welcomed to attend our seminar!