



## Rayan Saab

Assistant Professor of Mathematics

Research Areas    Numerical Analysis  
Signal Processing  
Applied and Computational Harmonic Analysis  
Information Theory

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### Professional Biography

Dr. Saab earned his Ph.D. in 2010 from the University of British Columbia. Following graduation Dr. Saab took a Visiting Assistant Professorship at Duke University where he was supported by a two-year Banting Postdoctoral Fellowship, one of the most prestigious postdoctoral fellowships awarded by Canada.

Dr. Saab is an expert on mathematical signal processing, including compressed sensing and quantization; his research has been published in an unusually wide range of venues, ranging from professional mathematical journals to journals specializing in such diverse areas as neural transmission and geophysics.

Dr. Saab's philosophy and experiences related to diversity show great promise of contribution to diversity at UCSD.

#### While at Duke

University, although it was not required of his fellowship, Dr. Saab asked to teach one class, Math 108: Ordinary and Partial Differential Equations and received excellent student evaluations. He also co-taught an advanced course on 'Sigma Delta quantization' with his mentor I. Daubechies. The Department believes that Dr. Saab will be a dedicated and effective teacher.

### Education

- Ph.D. Electrical and Computer Engineering, University of British Columbia, Canada, 2010

