



# STEM GUEST SPEAKER SERIES



**FRIDAY**

**DECEMBER 1, 2017**

**STEM CENTER**

**STEM 201**

**1:00 —2:00 PM**

**\* ALL STUDENTS  
ARE WELCOME  
TO ATTEND!!**



## GUILLERMO AGUILAR, PH.D.

PROFESSOR AND DEPARTMENT CHAIR  
MECHANICAL ENGINEERING  
BOURNS COLLEGE OF ENGINEERING  
UNIVERSITY OF CALIFORNIA, RIVERSIDE

Guillermo Aguilar received his B.S. in Mechanical and Electrical Engineering from the National Autonomous University of Mexico (UNAM) in 1993. He earned his M.S. and Ph.D. also in Mechanical Engineering at the University of California Santa Barbara (UCSB) in 1995 and 1999, respectively. In 1999, he received a Whitaker Postdoctoral Fellowship to join the Beckman Laser Institute and the Department of Chemical and Biochemical Engineering and Material Sciences (CBEMS) at the University of California Irvine (UCI). In 2001 he was appointed as an Assistant Adjunct Professor at the then Center for Biomedical Engineering at UCI.

Since 2003 Professor Aguilar joined the Department of Mechanical Engineering at University of California Riverside (UCR), where he was promoted to Associate Professor in 2007, Full Professor in 2012 and since 2013 serves as Department Chair. Prof. Aguilar has co-authored more than 80 journal publications, advised more than 12 postdocs, 50 students—including 25 graduate students (MS and PhD), and dozens of undergraduate students and interns.

Professor Aguilar has received research funding from various sources, including NSF, ASLMS, AFOSR, DARPA, Sandia National Labs, NIH, etc. He is member of the Board of Directors and Fellow of the American Society for Lasers in Medicine and Surgery (ASLMS), Associate Editor for the Journal of Clinical and Translational Research and the International Liquid Atomization and Spray Systems (ILASS) journal: Atomization and Sprays. He is co-inventor of 14 patents and co-founder of Advanced Bio-Ceramics (ABC), LLC. His current research interests include laser-tissue interactions, biomedical optics and development of novel bio-ceramic materials.

<https://promise.ucr.edu/profile-technology-aguilar.html>