

# Sanjay Karna, PhD

<https://www.linkedin.com/in/sanjaykarna> [skarna@dcccd.edu](mailto:skarna@dcccd.edu)

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## EDUCATION

- PhD MAT SCI & ENG I May 2016 I UNIV of N TEXAS, TX USA
- MS PHYSICS I Dec 2010 I MICHIGAN TECH UNIV, MI USA
- MS COND MATT & BIO-PHY I Jul 2008 I NTNU, TRONDHEIM NORWAY

## TEACHING EXPERIENCE I UNIV & COLLEGE

- MOUNTAIN VIEW COLLEGE (DCCCD) | ADJUNCT FACULTY, PHYSICS I Jan 2013 – Present | Dallas, TX
- SOUTHEAST CAMPUS (TCCD-SE) | ADJUNCT FACULTY, PHYSICS I Jan 2016 – Present | Fort Worth, TX

## PUBLICATIONS

- Karna, S. *et al.* "Competition Between Resonant Plasmonic Coupling and Electrostatic Interaction in Reduced Graphene Oxide Quantum Dots." [www.nature.com/scientificreports/](http://www.nature.com/scientificreports/), *Sci. Rep.* **6**, 36898 (2016).
- A Neogi, S Karna, R Shah, U Phillipose, J Perez, R Shimada, ZM Wang, "Surface Plasmon Enhancement of Broadband Photoluminescence Emission from Graphene Oxide" *Nanoscale* **6**, 11310-11315 (2014).
- M Kimura, N Tarutani, M Takahashi, S Karna, A Neogi, R Shimada, "Enhanced Photoluminescence Emission from Anthracene-doped Polyphenylsiloxane Glass," *Optics Letters* **38** (24), 5224-5227 (2013).
- S Karna, TY Choi, R Shah, M Mahat, A Neogi, "Local Field Enhanced Photoluminescence and Raman Effect in Reduced Graphene Oxide Nanoclusters" *APS Meeting Abstracts* **1**, 17010, 2015, San Antonio, TX.

~ Sanjay Karna

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