

# BCOE TUNE Summer Bridge to Research Presentation

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## Harsha Antony

**Major: Mechanical  
Engineering**

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**Principal Investigator:  
Dr. P. Alexander Greaney**

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**Transferring From:**

**NORCO  
COLLEGE**

**Wednesday September 9th, 2020  
10-10:30am**

**[Click here to Register](#)**

The purpose of Harsha's research project is to produce and study amorphous structures of vanadium oxide through liquid-quench molecular dynamics. Structural metrics will be established for these amorphous structures, as well as the dependence of these metrics on the method of production. In the future, these metrics will be used to understand their implementation in electronics as semiconductors.



Training from Undergraduate  
through Navy Engagement

**UC RIVERSIDE**  
Marlan and Rosemary Bourns  
College of Engineering