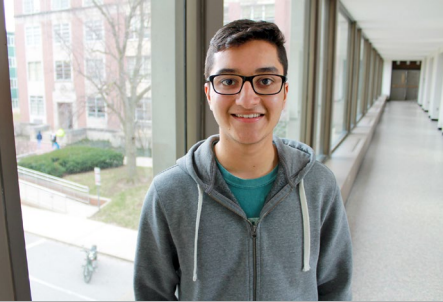


ECE Weekly

The Ohio State University | Department of Electrical and Computer Engineering

ed. 2.27.17

ECE student earns scholarship for wearable textile monitor



Anyone who ever broke a bone knows tracking the flexibility of joints helps to reveal healing progress. ECE undergrad **Raman Vilkhu**, a junior, recently won an IEEE Microwave Theory and

Techniques Society (MTT-S) Undergraduate Scholarship for creating an electronic fabric sleeve to help doctors track joint injuries in real time. Under the guidance of ECE Assistant Professor **Asimina Kiourti** at the ElectroScience Laboratory, Vilku designed a wearable electronic monitor to wirelessly track recovery periods in patients suffering from joint injuries, such as elbows. Learn more about his work: <http://go.osu.edu/vilkhu>



Undergrad wins top research honors at Harvard conference

Engineers at Ohio State are working to create computers that wade through data and learn how to detect cancer at the nanoscale. **Dinank Gupta**, an ECE undergrad, recently took home top honors during the National Collegiate Research Conference (NCRC) at Harvard for his work in this field. He won first place in the engineering/life sciences research category. Gupta is working under the guidance of ECE research assistant professor **Dr. M. R. Yousefi**.

Find the full story at: <http://go.osu.edu/dinank>

Find my story about the upcoming **MakeOHIO** 2017 event:



<http://go.osu.edu/makeohio17>

March 4th-5th
Knowlton Hall

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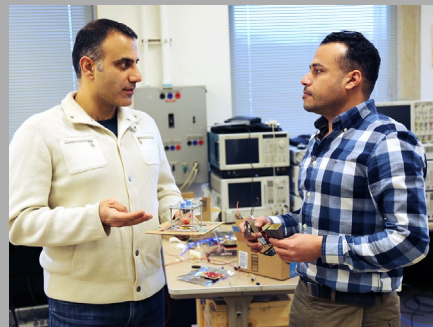
ECE Weekly

the lantern

NSF funds exploration of millimeter wave impact on 5G cellular systems



The Lantern newspaper featured ECE PhD student **Hugo Gonzalez** and his work with the Tech4Community: <http://go.osu.edu/tech4>



By opening up new realms of research into the high frequency electromagnetic spectrum, The Ohio State University is solving problems standing in the way of

next generation cellular systems. A team led by Electrical and Computer Engineering (ECE) Associate Professor **C. Emre Koksal**, received a three-year, \$302,000 grant from the National Science Foundation to tackle these challenges and make mobile mmWave communication a reality. Project co-investigators are **Kubilay Sertel**, ECE assistant professor, and **Ness Shroff**, Ohio Eminent Scholar of ECE and computer science and engineering.

More:
<http://go.osu.edu/eknsks>