

# SEMINAR NOTICE

*Department of Physics and Engineering Physics  
University of Saskatchewan*

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**SPEAKER:** Dr. Chary Rangacharyulu  
Physics & Engineering Physics

**TOPIC:** *Nuclear Science and Technologies: Why Should We Care About?*

**DATE:** September 18<sup>th</sup> , 2018

**TIME:** 3:30-4:30 p.m.

**PLACE:** Physics 103

## **ABSTRACT:**

It is no exaggeration to say that, at the heart of matter, either terrestrial or cosmological, inanimate or animate, physical or biological, there are atomic nuclei. We are soaked in nuclear radiations and we are sources of nuclear radiations. We use nuclear technology for peaceful purposes and also for destruction. However, nuclear radiations are indispensable and inevitable. An understanding of the nuclear radiations and assess their influences on material media does not require more than high school level mathematics and elementary physics.

In recent years, I have been engaged in nuclear technologies in medicine for both imaging and therapeutic purposes and in food irradiation to address the global food shortage issues. Also, I have been engaged in examining the meaning and implications of radiation dosimetry. In these endeavors, I have benefitted not only from my international collaborations but also from our students: Momina Butt, Kaylyn Olshanoski and Aravind Ravichandran besides a Brazilian exchange student Ricardo Gitti.

I will present a flavor of the issues and some of our ongoing research.

*Coffee and Cookies will be served in Physics lounge at 3:00 p.m. for those attending the seminar.*