

# Physics and Astronomy Day

## Saturday, March 16, 2019

**8:45 Coffee** and informal welcome session

Room 402 Allen

**9:00 Registration & Welcome**

W Ens, Rm 402

**9:15 *Research and Careers in Physics***

R Stamps, Rm 402

**9:45 Refreshment break** & assignment of experimental groups

**10:00 Physics experiments** in small groups:

- a) Blood flow and other physiological measurements
- b) Cosmos vs Canvas
- c) Travelling at wave speed
- d) Cosmic rays in a cloud chamber
- e) Astronomy activity

D Rickey (Rm 319)

J English (Rm 405)

R Cameron (Rm 202)

J Mammei (Rm 519)

D Pahud

**11:30 Show and Tell** – Take a brief look at one or more of the experiments you missed

**12:00 Lunch, physics demos**

B Guest et al.

**12:50 *Spintronics***

C-M Hu (Rm 402)

**1:30 Research lab tours**

- a) Ultrafast Microscopy and Magnetism
- b) Spintronics
- c) Immunotraficking
- d) Ultrasonics

J Burgess

C-M Hu

F Lin, J Wu, X Ren

S Kerhervé

**2:30 Slide show:** Experiments and results, discussion

activity leaders (Rm 402)

**2:50 Prize Draw**

W Ens

**3:00 Concluding Remarks**