



**CAASTRO**  
ARC CENTRE OF EXCELLENCE  
FOR ALL-SKY ASTROPHYSICS



Education &  
Communities



# CAASTRO in the Classroom Plus



## Curriculum Revision Lecture

### “Special Relativity”

Join us for a curriculum focused revision lecture – covering the topic of “Special Relativity” from the Physics Stage 6 Syllabus. Pre-work shall be provided in advance of the session, and you are strongly encouraged to complete this material with your students to get the most from the lecture.

Einstein's theory of Special Relativity is a pillar of modern physics and accurately describes objects moving near to the speed of light. While mathematically elegant, Special Relativity explains situations that are extremely counterintuitive to our interpretation of the world we experience.

You and your students are invited to join **Joe Callingham** from the University of Sydney to discover the basis of the theory, and work through several examples of time dilation and length contraction.

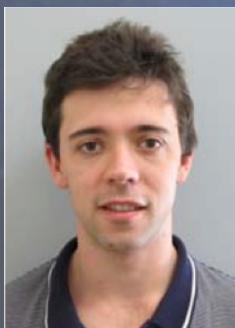
The session will run on **Friday 12<sup>th</sup> September 2014 1:00pm - 2:00pm**

There is no charge for schools to participate. Please register by completing the booking form at the bottom of the webpage):

<http://www.caastro.org/bookings>

You can learn more about our program at <http://www.caastro.org/citc> or by emailing [citc@caastro.org](mailto:citc@caastro.org)

Dial in number on your videoconference unit (VMR): 601056104. Note that due to limited space, we are restricted to the first 20 schools to sign up. Please ensure your email address is up to date, so that we can email you to confirm your booking. The session is a collaborative effort with support from CAASTRO and the NSW Department of Education and Communities.



Joe Callingham has a degree in Physics and is an Astronomy PhD student at the University of Sydney. He is a CAASTRO in the Classroom veteran having given the highly popular “Special Relativity” lecture twice already. Not to be missed!