

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



# STARGAZING & LECTURE SERIES

## Clocks of the Universe

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Friday, September 21st, 8:00PM

Pupin Hall, Columbia University



Observing the night sky, we can notice many periodic motions that can help us keep track of time. Quantities such as the day and the year can be defined in ways which slightly differ from one another. I will talk about the reasons for these differences and their effects. I'll also talk about how some of the calendars we use try to incorporate them.

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting).

All events are held at Pupin Hall at Columbia University. No reservations are needed.

Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want.

For directions, weather updates and more information, please visit:

<http://outreach.astro.columbia.edu>