

Florida Institute of Technology

F. W. Olin Physical Sciences Center



<http://www.fit.edu/>

College of Science

<http://cos.fit.edu/>

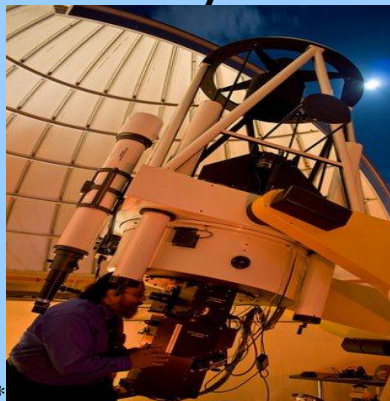
College of Engineering

<http://coe.fit.edu/>

College of Aeronautics

<http://coa.fit.edu/>

**FIT Ortega 0.8-m (32-in) Telescope
at Olin Observatory in Melbourne, FL**



<http://research.fit.edu/ortegatelescope/>

Florida Institute of Technology

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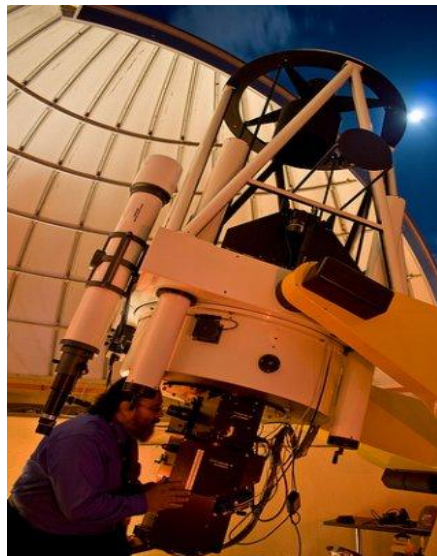
FIT Ortega Telescope

Florida Institute of Technology - Olin Observatory

Ref. <http://www.fit.edu/programs/7193/>

Olin Observatory & Ortega Telescope

The crowning architectural feature of the F.W. Olin Physical Sciences Center is the dome that houses the Ortega 0.8-meter (32-inch) telescope -- the largest research-quality telescope in Florida. Also atop the four-story building is a custom-designed indoor-outdoor astronomical classroom, with an observing deck that can support up to 15 instructional telescopes. (Credit FIT)



Ortega Telescope

<http://research.fit.edu/ortegatelescope/>

Melbourne Clear Sky Chart

<http://cleardarksky.com/c/MlbrnFLkey.html?1>

NOAA Real Time Latest Florida Event 5 IR loop GOES NOAA IR Movie

<http://www.goes.noaa.gov/GSSLOOPS/se5ir.html>

Olin Observatory Weather

<http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KFLMELBO63>

FIT Olin Observatory

FIT Deep Space Projects

(small sampling)

Dynamical Hypermassive Black Hole Masses

FIT is using STIS spectra to derive the masses of 5 hypermassive black holes (HMBHs). FIT is also conducting a SNAPSHOT program with the hope of detecting a further 24 HMBH candidates for STIS observation in future cycles.

Resolving the Critical Ambiguities of the M-sigma relation

crucial for constraining the slope and scatter of the SMBH mass vs. stellar velocity dispersion (m-sigma) relation

Reverberation Mapping of the size of the Dusty TORI in Active Galactic Nuclei

*

The Importance of Warm Outflows in the Most Rapidly Evolving Galaxies in the Local Universe©

SARA REU Site Program.

Observational and theoretical studies of white dwarf stars, M dwarf stars, and cataclysmic variable systems. FIT is the lead institution in the Southeastern Association for Research in Astronomy (SARA).

<http://research.fit.edu/ortegatelescope/projects.php>

Astronomy & Astrophysics Public Science Lecture Series

<http://cos.fit.edu/pss/aapls.php>

Student Astronomical Society (SAS)

<http://activities.fit.edu/sas/>

Florida Tech & the ARKYD Space Telescope

<http://www.youtube.com/watch?v=G9bePyW2OxY&feature=c4-overview&list=UUn23OMMIwJ8cuQQdZ3v859w>

Florida Tech Astronomy Channel

<http://www.youtube.com/fitastro>

Dr. Daniel Batcheldor, Observatory Director, at (321) 674-7717

Extreme Contrast Ratio Astronomy

<http://www.youtube.com/watch?v=RY4glWdKXvk&list=UUn23OMMIwJ8cuQQdZ3v859w&index=1&feature=plcp> (go full screen)

<http://research.fit.edu/ortegatelescope/>

Annual Design & Research Showcase

Colleges of Science & Engineering

<http://coe.fit.edu/>

<http://cos.fit.edu/announcements/1203>



2012 Northrop Grumman Engineering & Science Student Design Showcase

Friday, April 18, 2014 -- Since 2006, Florida Tech has hosted the annual Design & Research Showcase in the Clemente Center on a Friday in April. This Showcase includes dozens of posters and other project materials developed by undergraduate students, working on their own or in teams, from all academic departments in the College of Science (COS) and the College of Engineering (COE).

Show hours are from 10:00am - 3:00pm. The public is invited to attend.

<http://cos.fit.edu/announcements/1203>

FIT Planetary Science Degree

FIT College of Science

<http://cos.fit.edu/>
<http://www.fit.edu/programs/7193/>



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Bachelor of Science in Planetary Science

One of Florida Tech's most prestigious space science degree programs, the **planetary science degree** option is designed to meet the needs of students intending to pursue graduate studies in solar physics, geophysical sciences, planetary sciences and space physics.

The program also provides professional preparation to students who intend to pursue a career in aerospace and related industries. Established alongside the U.S. space program, Florida Tech has one of the oldest and most well-known collection of space science degree programs in the country, including the planetary science degree.

Department of Physics and Space Sciences at Florida Tech

<http://cos.fit.edu/pss/>

FIT Olin Observatory

FIT Science Lecture Series

<http://cos.fit.edu/pss/aapls.php>

FIT hosts a monthly public Science Lecture Series evening lecture on a topic of general interest in science in the auditorium Olin Engineering Complex (room EC 118, see map below) on the 4th Friday of each month during the academic year. The lectures are at 8 p.m., and are followed at 9 p.m. by a public viewing session at the campus observatory on the roof of the Olin Physical Sciences Building (weather permitting).

Check out previous lectures at [FIT's iTunes University site](#). Click on the Community Login, and find us in the "Research and Lectures" section (iTunes required). Or, if you don't have iTunes, you can just visit our channel at youtube.com/fitaastro and stream the videos in your browser. Sign up for email reminders of upcoming lectures ([click here](#))

Florida Tech Astronomy Channel

<http://www.youtube.com/fitaastro>

Dr. Daniel Batchelder, Observatory Director, at (321) 674-7717

Extreme Contrast Ratio Astronomy

<http://www.youtube.com/watch?v=RY4gJWdKXvk&list=UUn23OMMIwJ8cuQQdZ3v859w&index=1&feature=plcp> (go full screen)

<http://research.fit.edu/ortegatelescope/>

Sample Science Lectures Series Programs

"Black holes, quasars and the evolution of galaxies"

Fri Jan 24, 2014

Prof. Clive Tadhunter

The University of Sheffield, UK.

TBD

Fri Feb 28, 2014

Dr. Catherine Neish

Florida Institute of Technology