

Meeting Minutes 4/27/18

- **ATOMM:** is still a thing on Monday, Tuesday, Friday from 1-2:30pm and Wednesday and Thursday from 1-3:30pm in the Parker Library across from N305. Special guest Yancy Shirley will be there this Thursday (Dead Day)!
- **TIMESTEP:** Tech Summer Internship Program, deadline is Monday. End of the Semester mixer on May 2nd N305 @ 5pm, ice breaker games, and food!

TIMESTEP Tech Summer Internship Program

Technical Internships in the Physical Sciences at U. Arizona

The TIMESTEP Summer Internship Program is a unique opportunity for UA undergraduates in the Physical Sciences (Astronomy, Physics, Optics, Math, Computer Sciences, etc) to connect with small- to mid-sized tech companies based in Southern Arizona.

<p>Tech Internship</p> <p>\$5000 scholarship for an internship from: June 1st – Sep. 1st 2018</p> <p>Gain valuable industry experience working on an exciting technical project at one of the following Tucson-based companies:</p> <p>Aztera GEOST Latitude Engineering Madden Media Marcus Engineering</p> <p>Visit https://lavinia.as.arizona.edu/~timestep for more details about these companies</p>	<p>Responsibilities:</p> <ul style="list-style-type: none">• Mid-Summer Progress Report.• Keep in touch with the graduate student coordinator for the program.• Final Presentation about your experience at a TIMESTEP meeting on Sept 19th 2018 <p>Application Requirements:</p> <ul style="list-style-type: none">• Enrolled at UA through Fall 2018 in a STEM field (no citizenship requirements)• Junior or equivalent, minimum GPA 2.5• Resume listing technical/computing skills• Cover letter, highlighting:<ol style="list-style-type: none">1. Financial need and interest in this program.2. Ranked list of top 3 participating companies and reasons why you chose them.
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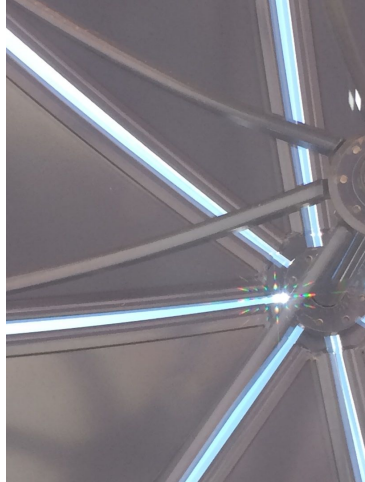
Application Deadline April 30th 2018

Please email your **Resume** and **Cover Letter** to:

Dr. Gurtina Besla
University of Arizona
gbesla@email.arizona.edu

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- **Don's Question of the Week:**
 - A cool optical effect from Claire Cook!



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- “Picture shows tablet screen while sitting under an umbrella with the sun just poking through one of the cracks. It looks like the light is getting spread out into a spectrum and that there's also a diffraction pattern. Effect only happens under a bright point source of light (shining my phone flashlight on it recreates the effect but shining a dimmer larger radius flashlight doesn't). The farther away I held the light the sharper it was and the more it spread out radially. The closer the light was the more it seemed like the pattern just went out horizontally (too close and it disappears)”
- Diffraction Grating Equation - $d(\sin\theta_i \pm \sin\theta_m) = m\lambda$
 - intensity maxima at angles θ_m
 - θ_i angle at which the light is incident
 - d is the separation of grating elements
 - m is the order of diffraction
- Helping in Don's ASTR 170 Course: “Supplementary Instructor Leader” -> 10-12 hours per week. \$11.25/hour. Associated with UA's Think Tank. Benefits: leadership, best practices in education, basic astronomy, ... Working directly with me and UA leaders; letters of recommendation, ...
- “In the News” sub-group will continue! Let Don know if you're interested!
- **Astro News of the Week:** Presented by Emily Walla! Detection of hydrogen sulfide above the clouds in Uranus' atmosphere!
<https://www.nature.com/articles/s41550-018-0432-1> Basically, Uranus smells like bleach and rotten eggs (Yummy)

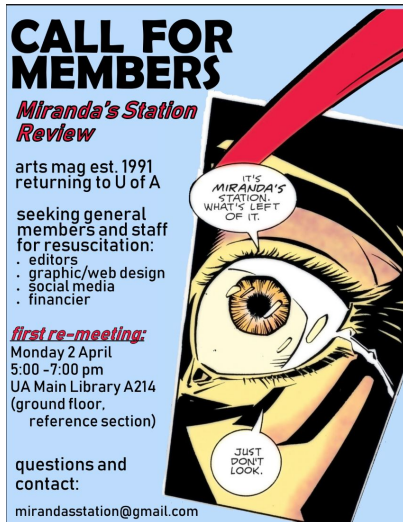
- **ETCETERA:** It's still a thing! Next Weekend on Saturday and Sunday!



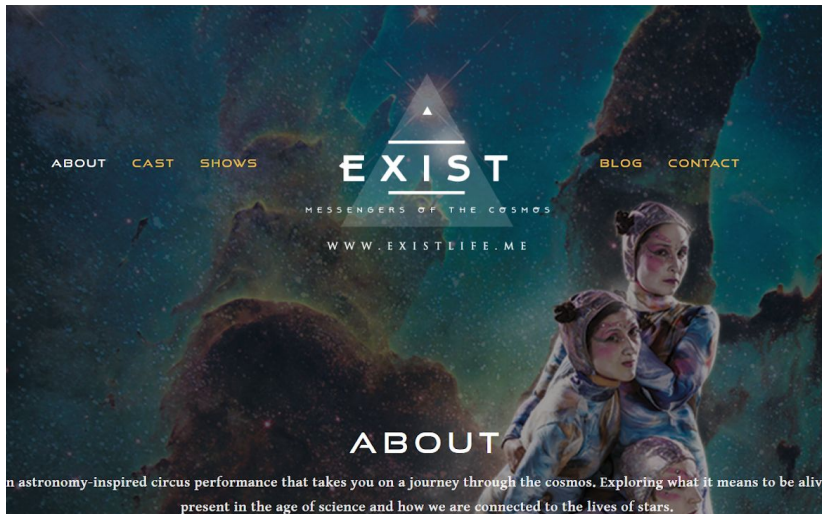
As an informal Astro Club Event, we'll be going to the 7:30pm show on Saturday, May 5th so if you'd like to go with us, be sure to buy your ticket for that date and time!

- **Telescope Observing at Steward:** It's still a thing! Monday-Thursday, 7:30-10pm!
- **Astro Majors and Minors Graduation Ceremony:** Wednesday May 2nd, Eegees @ 3:15pm in the Courtyard. Ceremony @ 4pm in N210. Come support the graduating seniors!
- **Star Parties:** May 3rd, Civano Community School, 1:15-3:15pm, telescopes, crater making, planet painting. We need 1 more volunteer so if you can, please sign up!
- **I Dream in Widescreen:** BFA Thesis Film screening will be on April 28th @ 6pm in the Fox Tucson Theatre (17 W. Congress Street). It's \$10 general admission (call or online)
- **Active Galactic Videos:** Do you like space? (I sure hope you do) Do you like videos about space? Check out Active Galactic Videos! Student-run education team that makes neat videos like the one we watched in a meeting with the TESS orbeez.

- **Miranda's Station Review:** A “Zine” looking for submissions and staff members



- **Society for Astronomical Studies (SAS)** do research with your own telescope! Here's the link: <http://www.socastrosci.org/>
- **Dead Day Breakfast:** Thursday May 3rd @ 10am interaction area outside N305 and Parker Library. We'll provide coffee and bagels, but if you'd like to bring anything else to share that'd be great!
- **Call for Artist Astronomers: Cirque Roots**



- Deadline to be included May 15th
- **Astro Club Shirts!** We have the white T-shirts for sale! \$15 per shirt. Have all sizes as of now

- **Spring Pic Slideshow:** We showed a spring picture slideshow of all the fun things we did over the last semester! Thanks for the great memories everyone!