



Thursday, November 29, 2018
9:00-11:00am, reception to follow

H.F. DeLuca Forum
Discovery Building



Three Minute Thesis® is an international competition in which PhD students explain their thesis research to a general audience.

3 Minute Thesis Presenters

- 1. Adalbert Gerald Soosai Raj**
Toward Making Computer Science Education Accessible to Everyone
- 2. Geetika Nehra**
Treatments for Brain Disorders Can Be Right Under our Nose
- 3. Deepa Acharya**
Eavesdropping Helps Bacteria Produce New Antibiotics
- 4. Alyson Douglas**
How Does Pollution Effect Clouds?
- 5. Vera Cardoso Ferreira**
Using Big Data to Feed the World
- 6. Jenny Bratburd**
How Your Gut Bacteria Battle Salmonella
- 7. Katy Jinkins**
Aligning Carbon Nanotubes for Your Electronics: As Easy as Floating Logs Down a River
- 8. Xinyue Peng**
Storing Solar Energy with Chemistry
- 9. Jacqueline Goldstein**
The Sounds of Stars
- 10. Manoj Kumar**
Whole-body Imaging of Advanced Cancer
- 11. Levi Hogan**
Nano-Photonics: Uncovering the Chemistry of Single Gold Particles
- 12. Anastasia Lindahl**
It Takes an Assembly Line to Feed the Brain
- 13. Hillary Mitchell Warden**
Towards the Prediction of Intermetallic Structures
- 14. PRIYABRATA SUNDARAY**
Prediction of Electrical Faults to Avoid Blackout
- 15. Apoorva Sampat**
Cows, Manure, and Algae Blooms: Math Makes Tough Decisions Easier to Digest
- 16. Sathiya Kumaran Mani**
Scalable and Accurate Time Synchronization for a Diverse Internet

Thank you for coming!

3 Minute Thesis Presenters

17. Sarah Alexander
Talking With the Rain
18. Carolyn Voter
Where Does the Rain Go?
19. Meenakshi Syamkumar
Methods for Detection and Analysis of Internet Events
20. Swapnil Haria
Exploiting the Persistence of Memory
21. Ramnatthan Alagappan
Reliable and Performant Distributed Storage Systems
22. Margaret Lumley
Why So Salty? Turning Seawater into Fresh Water Using Battery Technology
23. Archie Abhashkumar
Towards Automated Network Policy Management
24. Anjalie Schlaeppi
A Tale of Fish and Hearts
25. Rebecca Salamon
The Role of Nerves in Guiding Heart Regeneration
26. Andjela Radmilovic
Illuminating Electrodes for Solar Water-Splitting!
27. Jennifer Borchardt
The Brain's Valium: Investigating the Role of DBI in Regulating GABA-mediated Inhibition
28. Zebediah Girvin
Foldamers: Utilizing Preorganization for Catalysis
29. Kaushiki Mahapatra
Creating New Hearts
30. Christopher Bosma
A New Metric to Communicate Tropical Cyclone Rainfall Hazard
31. Carlos Ruiz
Optical Emission Spectroscopy of Low Temperature Plasmas
32. Christopher McAllester
Balanced Genomes

At the conclusion of the presenters please vote for the "People's Choice" award using link below on your smartphone. Your vote should be given to the most concise, clear presentation. Please only vote once.

<https://go.wisc.edu/93s49f>

Presented by the Madison Chapter of GWIS
and the Graduate School Office of Professional
Development, with prizes and reception sponsored by
WARF, Gilson, American Cleaning Institute, and the
Wisconsin Initiative for Science Literacy.



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