Eta Kappa Nu
Lambda Zeta Chapter
2022 - 2023 Annual Report

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Service

Lambda Zeta members are dedicated to helping bring forth opportunities that aim to advance fellow students towards their goals and aspirations. Our chapter actively seeks out ways to better our local community. Throughout the year we focused on serving our UNT community along with our local community.

This year's activities included the Research Showcase, Recitations, Study Halls, advising, a Signals and Systems Bootcamp, and multiple workshops.

HKN Research Showcase / IEEE Day Celebration

To celebrate IEEE Day, HKN Lambda Zeta hosted its second annual research showcase, offering students a unique opportunity to explore faculty labs within the Department of Electrical Engineering and ignite their interest in undergraduate research. Attendees had the chance to visit multiple labs, learn about ongoing projects, and directly engage with faculty members. The IEEE UNT Student Branch actively supported the event, contributing to the festive atmosphere and participating in recruitment efforts. The research showcase aimed to cultivate a fervor for academic exploration by inspiring students and fostering their active participation in cutting-edge research endeavors.
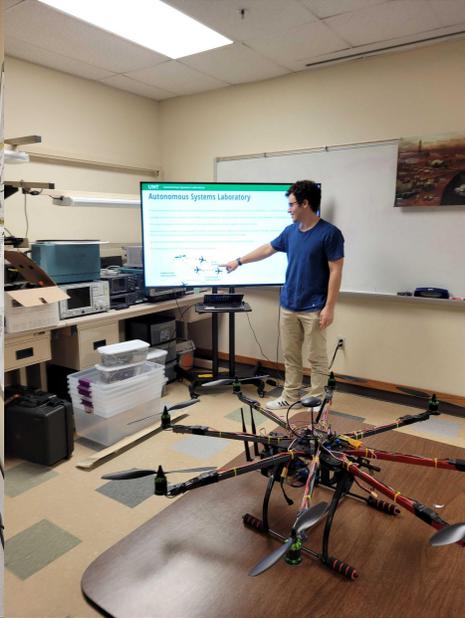
Recitation & Study Halls

Dedicated Lambda Zeta officers and members facilitated optional weekly in person supplementary classes on the following topics: Digital Logic, Circuit Analysis, and Electronics I. Every week students were welcome to drop in to further their comprehension of the course material.

HKN Lambda Zeta Chapter and the IEEE UNT Student Branch collaborated to facilitate a learning environment where study halls could take place twice a week. Students could drop in to work on assignments and consolidate their understanding.

Study Hall

Room B207

M 2:30 - 5:20 PM

Room B288

Th 1:00 - 2:20 PM

Recitation

Room B288

M 11:30 AM - Electronics
Tu 1:00 PM - Circuit Analysis
Tu 1:40 PM - Digital Logic
W 4:00 PM - Circuit Analysis
W 4:40 PM - Digital Logic

Signals and Systems Bootcamp

HKN Lambda Zeta chapter officers played a supportive role in the academic journey of the EENG 2620: Signals and Systems class by organizing three study and review sessions. These sessions took place on 02/25, 03/04, and 03/08, providing valuable assistance to students as they prepared for an upcoming test. This opportunity proved instrumental in helping several students navigate the challenges of a faster-paced course, allowing them to develop effective study strategies and adapt to the course's rigorous demands.

LaTeX Workshop

Every semester HKN and the IEEE Student Branch hosted a workshop to give students an opportunity to learn LaTeX. The introductory subject matter focuses on the task of creating a professional resume, with tips and tricks shared by our more senior members. The event is always scheduled a few weeks before the UNT career fair, giving ample time for participants to work through the process as needed.

Github Workshop

IEEE UNT Computer Society in joint effort with Lambda Zeta and the IEEE UNT Student Branch hosted an introduction to Git workshop, showcasing the power and uses of Git. The workshop brought interest to IEEE UNT branch, and helped students develop their skills in integrating git into their projects.

MATLAB Workshop

IEEE UNT's Engineering in Medicine and Biology Society with HKN Lambda Zeta hosted the workshop to introduce stress and heat analysis in three-dimensional representation through usage of MATLAB for various common objects used in every field of engineering.

Join us to learn and improve your skills with the MATLAB language!

IEEE EMBS UNT MATLAB WORKSHOP

Please bring a device with the software installed.

October 13, 2022
5:30-6:30 PM, D215

Professional Development

A goal of Eta Kappa Nu Lambda Zeta Chapter is to provide useful and interesting professional development opportunities to the student community at the University of North Texas. We welcome all students to participate!

This year's activities included many technical and career related talks during both North Tech-SAS, and the Dallas Circuits and Systems Conference that we hosted. Our LaTeX and Resume Review Workshops also helped prepare students for an upcoming job fair at Discovery Park.

HKN SLC 2022

Faculty and student members of the Lambda Zeta chapter attended the 2022 HKN-International Student Leadership Conference. The Lambda Zeta chapter gained valuable insights into how an HKN chapter should operate. SLC 2022 hosted a number of highly successful chapter leaders who gave their advice on maintaining a vibrant HKN chapter. Every Lambda Zeta member benefited from the activities and discussions, and networked with many international leaders and members of the organization to build closer relationships between chapters and gain insight on how every chapter operates uniquely to succeed.

Resume Review Workshop

HKN Lambda Zeta co-hosts the bi-annual industry resume review panel with the IEEE UNT Student Branch. Local industry professionals counsel students on resumes, interviews, and careers, giving our students a distinct advantage. Many of our participants have gotten internships and full time positions from to this event.

Resume Review ◆IEEE

Date	Feb 15th
Time Range	6:30 PM to 9:30 PM
Room	B227

◆IEEE

Resume Review

Room	M201	Website Here
Date	Sept 27	
Time	6:30 PM - 9:30 PM	
Reviewers in:	Defense, Power, Intellectual Property, Law, Telecom, RF & More	

Air Force and Space Force Engineering Lunch and Learn

This event was very informative, allowing student attendees to see that there exists other fields beyond commercial or academic jobs for them upon graduation. It was enlightening to hear about the unique experiences and opportunities available to those exploring this potential career path. The speakers were all very encouraging of questions and answered with the best of their ability.

Nokia Engineering Lunch and Learn

HKN, in collaboration with IEEE, successfully organized an event alongside Nokia. Nokia brought in four exceptional speakers to the university. Attendees had the opportunity to learn from Muhammad Sajid Hamid about what Nokia does, as well as how some of their general communication systems work with your smartphone to send data. UNT Alumni and Lambda Zeta member, Ethan Murrell, shared his experiences as a intern and new hire with attendees. Candace Owens and Melissa Vernon also spoke on current opportunities for students at nokia, as well as what they can do to stand out as a candidate for Nokia. The event facilitated networking and knowledge exchange, providing a valuable platform for students, faculty, and professionals to connect and learn.

Mitch Wagnon: Navigating new Equipment

Mitch Wagnon, representing Test Equity, visited the university to deliver a captivating presentation on test and measurement equipment. This event provided attendees with valuable insights into the day-to-day experiences of a sales engineer, as well as an in-depth understanding of various types of test equipment and the future prospects of the industry. Mitch Wagnon's talk was both entertaining and engaging, leaving a lasting impression on the audience.

Technical Speaker: Marika Apostolova

Marika Apostolova, from the South East European University, Macedonia came to the University of North Texas's Discovery Park to give a lecture and technical talk over the importance of connected data through semantic web so as to optimize integration of data from multiple sources.

Technical Speaker:
Dr. Chen Luo

HKN Lambda Zeta with the IEEE UNT Student Branch and its societies welcomed and hosted Dr. Chen Luo, senior applied scientist and tech lead at Amazon search, where he gave an amazing technical talk regarding search query analysis and what his team is researching to improve the already phenomenal work Amazon achieves to better usability for its customers.

North Tech-SAS 2023

North Tech-SAS 2023 was a series of lectures which spanned across a few weeks and allowed students to join us and learn about a wide variety of concepts from the technical talks they could attend. The talks consisted of three speaking events with Nuclear Industry Executive Jack A. Bailey, IEEE PSES chair Brunno Covolan, and IEEE- HKN region 5/6 Governor Christopher Sanderson.

North Tech-SAS Lecture Series: Jack A. Bailey

Lambda Zeta chapter and the IEEE-UNT student branch collaborated to host an engaging event as part of the North Tech-SAS Lecture Series. Esteemed guest speaker Jack A. Bailey, a former Nuclear Industry Executive and current SMR Consultant, delivered a captivating presentation titled "New Small Modular and Advanced Reactor Development." This presentation was particularly interesting as it introduced attendees to a different topic that they hadn't been exposed to previously. The North Tech-SAS Lecture Series served as a platform to broaden knowledge and foster intellectual growth, bringing together individuals with diverse backgrounds and fostering a vibrant learning environment.

North Tech-SAS Lecture Series: Brunno Conovan

IEEE-UNT and HKN Lambda Zeta presents Brunno Covolan, P.E., an engineering manager at Intertek located in Plano,Tx, came to UNT for our NorthTech-SAS Lecture Series to discuss the standards and engineering behind testing the products clients present them with. Intertek is an international company that outreaches to all sorts of products ranging from a simple football to commercial floor scrubbers. Brunno is here to show how these products are tested to their limits and how they need to withhold the standards set.

North Tech-SAS Lecture Series: Christopher Sanderson

Christopher Sanderson, SMIEEE, SMASQ, CSSBB, CLSSBB, the current HKN Region 5/6 Governor and IEEE R5 South Area Chair, visited UNT as part of the North Tech-SAS Lecture Series to deliver an insightful lecture titled "What are Standards?... Your Sustainability Career Superpower." His engaging presentation shed light on the significance of standards and their pervasive presence in our daily lives. The talk provided a fascinating exploration of how standards have evolved over time, building upon previous standards to shape various industries and sectors.

This captivating presentation broadened attendees' understanding of the world of standards, highlighting their profound influence on innovation, quality assurance, and sustainability. Christopher Sanderson's expertise and delivery style captivated the audience, offering a thought-provoking perspective on the interconnectedness and evolution of standards.
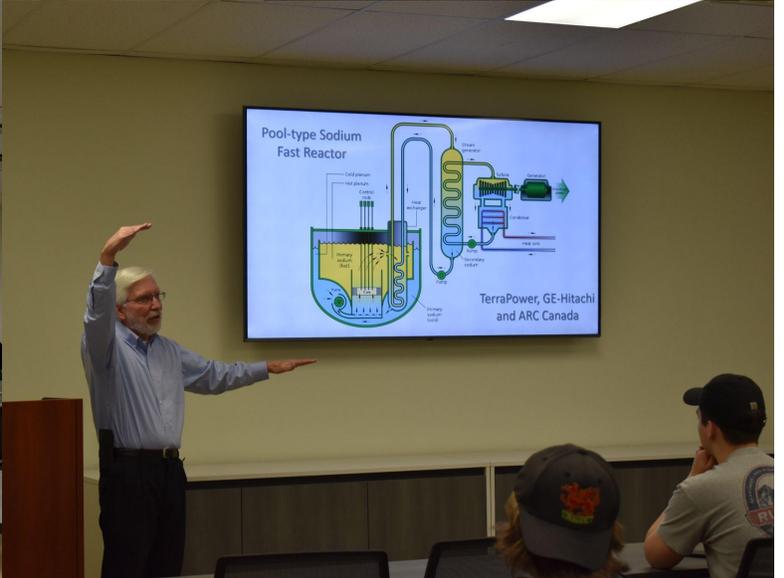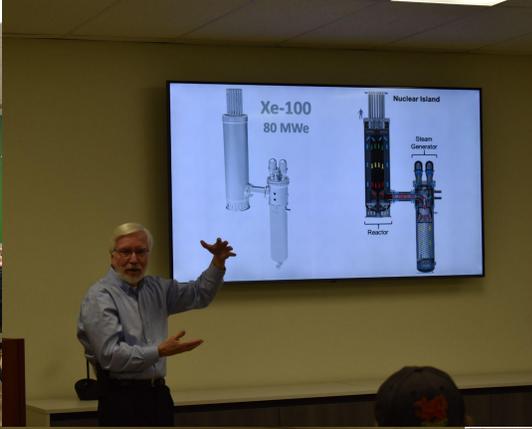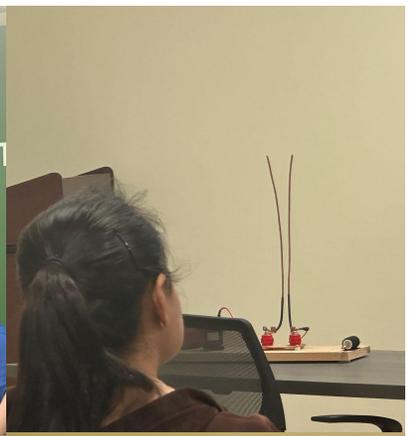
IEEE DCAS - Dallas Circuits and Systems Conference

Lambda Zeta and the IEEE-UNT student branch actively participated in the IEEE Dallas Circuits and Systems Conference, demonstrating our dedication to fostering collaboration and advancing knowledge in the field. The event, held at the University of North Texas from April 14th to April 16th, seamlessly blended virtual and in-person experiences. In our role, we set up informative posters to guide participants, provided essential IT support, and managed registration.

Social

The Lambda Zeta Chapter held several events that engaged our members and fellow students. These events offered our members a respite from school and a fun way to get to know each other.

This year's activities included events like Bundt Cake Giveaways, IEEE/HKN Movie Night, Pop-Up Rallies and Recruitment Meetings.

IEEE/HKN Movie Night

IEEE and HKN members came together for a memorable end-of-semester event, uniting to watch the inspirational movie "Cloudy with a Chance of Meatballs." The screening provided a captivating and enjoyable experience, creating a warm and friendly atmosphere among the attendees. The event served as a wonderful opportunity for members to relax, unwind, and connect in a casual and inviting environment before final week started.

IEEE/HKN's Good Luck with a Bundt

IEEE-UNT and HKN Lambda Zeta hosted a social where students could gather together and rejoice in preparation for their upcoming finals. Here students could listen to music and mingle amongst each other. Hoping to boost morale and camaraderie within the students to get through the final stretch of the semester with flying colors! Along with a sweet oreo flavored bundtlet from Nothing Bundt Cakes to increase your motivation and as a reward for getting through yet another semester alongside IEEE and HKN. Here's to another year with IEEE and HKN!

Official Business

General Meetings

Our Eta Kappa Nu chapter held a number of meetings throughout the past year allowing the entire membership of the Lambda Zeta to meet, plan events, finalize candidates for induction and hold officer elections. The multitude of successful events can only be made possible by the continued involvement of all of our members, achievements as documented in this report are a testament to the membership as a whole.

Officer Meetings

The regular progression of HKN business requires immense amounts of planning to carry out events at the scale we have come to expect for our chapter, to meet these requirements the leadership holds weekly meeting of all the officers and advisors as well as many small group sessions to work through the semester and year ahead.

Induction Fall 2022

Inductees

Syed Badruddoja	Gavin Halford	Zachary Mccorkendale
Issac Barnes	Eliana Jaques	Alexander Noggle
Nick Bright	James Jenkins	Kaitlyn Nussberger
Alfonso Chan	Hung Luyen	Narali Patel
Paris Fralin	Thomas Mather	Hae Reh
Eli Gabaldon	Jeremy Mathews	Alex Sekung
Cristian Guerrero	Logan Mccorkendale	

Induction Spring 2023
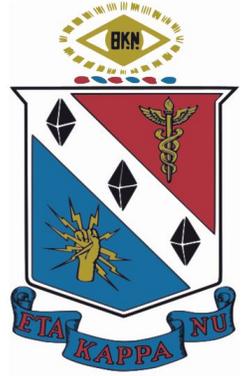
Inductees

Priyanka Ankani	Amila Jansze	Sudesna Das Rochi
Silvino Bastos	Brendan Jones	Allyson Tesky
Nishako Chakma	Jayesh Katariya	Hoang Vu
Batool Dalloul	Kirill Morozov	Shuping Wang
Nicholas Esponda	Kevin Pham	Ryan Yahola
Issac Gregory	Erik Pineda-Alvarez	

Officers

Fall 2022 - Spring 2023

President
Aidan Kurz

Vice President
Hồng Sơn Vũ

Treasurer
Cristian Guerrero

Corresponding Secretary
Eli Gabaldon

Recording Secretary
Jaya Sravani Mandapaka

HKN Hours

Event	Hours
HKN Research Showcase / IEEE Day Celebration	120
Signals and Systems Bootcamp	69
Study Halls	584
Recitation	451
Github Workshop	30
MATLAB Workshop	32
Nokia Engineering Lunch and Learn	30
Mitch Wagnon: Navigating new Equipment	25
Technical Speaker: Dr. Chen Luo	14
Technical Speaker: Marika Apostolova	22
Air Force/Space Force Engineering Lunch/Learn	36
North Tech-SAS 2023 Lecture Series	200
IEEE DCAS - Dallas Circuits and Systems Conference	230

HKN Hours

Event	Hours
LaTeX Workshop (Fall and Spring)	138
Resume Review Workshop (Fall and Spring)	303
HKN SLC 2022	120
Fall 2022 Induction/Founders' Day	70
Spring 2023 Induction and Elections	97
General Body Meetings	128
HKN Chapter Leaders Call	9
HKN Executive Meetings	197
HKN Board of Governors Forum 2022	4.5
Pop-Up Event Rallies	81
IEEE/HKN Movie Night	9
IEEE/HKN's Good Luck with a Bundt	3
SLC Town Hall	3
TOTAL HKN HOURS	3005.5