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**NA MATERIALTM
ADVANTAGE**

UNIVERSITY OF NORTH TEXAS[®]

SUBMISSION FOR
CHAPTER OF EXCELLENCE

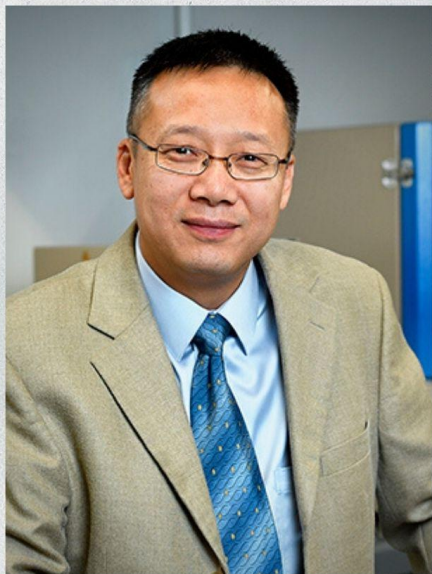


SUBMITTED: **JUNE 1, 2023**
FACULTY ADVISOR: **DR. JINCHENG DU**
PREPARED BY: **2022-2023 EXECUTIVE TEAM**

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2022-2023 EXECUTIVE BOARD



Dr. Jincheng Du

Faculty Advisor

Dr. Jincheng Du is Professor of Materials Science and Engineering and Director of the Functional Glasses and Materials Modeling Laboratory of University of North Texas. His research focuses functional glass and glass-ceramic materials for energy, biomedical and environmental applications, by using both advanced simulations and characterization methods. He is a Fulbright US Scholar and recipient of the W.E.S Turner Award of ICG and Gordon Fulcher Distinguished Scholar of Corning Inc. Dr. Du is also a Fellow of the American Ceramic Society (ACerS) and Fellow of the ASM International.

N MATERIALTM ADVANTAGE

UNIVERSITY OF NORTH TEXAS®

2022-2023 CHAPTER OF EXCELLENCE



Devin Davis

President

WHAT IS MATERIAL ADVANTAGE TO YOU?

"Material Advantage to me is an organization that prepares me for my upcoming career. MA has engineer presenters, lab tours, and provides opportunities for engineering events all of which prepare me for my future career path."

- Devin D.

STUDYING

Materials Science and Engineering



Justin Ohl

Vice President

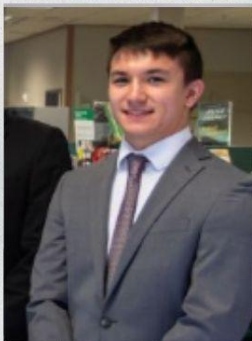
WHAT IS MATERIAL ADVANTAGE TO YOU?

"Material Advantage is an organization that has been very near to my heart. This past year as program coordinator and vice president, I had the opportunity to invest my time and creativity into MA students through social events, student opportunity outreaches, and meetings. MA represents an outlet for material minded students, a professional network, and a family where I feel at home."

- Justin O.

STUDYING

Materials Science and Engineering



Joshua Wahl

Member Relations

WHAT IS MATERIAL ADVANTAGE TO YOU?

"Over the semester Materials Advantage has opened up opportunities to connect me with my community and the materials science and engineering department. As Members relations the organization gave me people I could call friends and professors I can turn to for mentorship providing me with a network where we can share in the success of one another."

STUDYING - Joshua W.

Materials Science and Engineering
minoring in Chemistry



Chloe Jabel

Secretary & Treasurer

WHAT IS MATERIAL ADVANTAGE TO YOU?

"Material Advantage is a place for all. This organization has allowed me to grow personally and professionally. From the community of students and leaders, I have learned much about the world and my place in it. Material Advantage has given me an environment to grow my professional skills, and grow my experiences in a leadership role."

STUDYING - Chloe J.

Materials Science and Engineering



Jacqueline Faz

Public Relations

WHAT IS MATERIAL ADVANTAGE TO YOU?

"Material Advantage became my second family during my time as the Public Relations Officer. Through this organization, I had the opportunity to connect with like-minded individuals in my field and others who shared an interest for materials science. This experience not only allowed me to expand my professional network but also pushed me outside of my comfort zone, helping me refine my public speaking skills. The meaningful connections I made through Material Advantage were invaluable, and I utilized the abundant resources it offered."

- Jacqueline F.

STUDYING

Materials Science and Engineering



Osama Al Balushi

Treasurer

WHAT IS MATERIAL ADVANTAGE TO YOU?

"During my time as the financial officer for Material Advantage organization at UNT, I had a wonderful experience. The organization provided me with opportunities to learn, grow, and connect with other students who share my passion for materials science and engineering. I am grateful for the friendships and memories that I have made through Material Advantage. I am proud to have been a part of such a supportive and inspiring community!"

- Osama M.

STUDYING

Materials Science and Engineering

CHAPTER OVERVIEW

ABOUT

Material Advantage is a program created for and by students enrolled in materials science, engineering, and other technical engineering programs at universities around the world. UNT MA is the Material Advantage student chapter at University of North Texas in Denton, Texas. The organization was established on September 15, 2009 and focuses on promoting all aspects of materials science, engineering, and all related-STEM fields. UNT MA welcomes all students and is open to all majors.

MISSION

- Promote materials science, engineering, and all STEM fields.
- Broaden students' basic knowledge, as well as inspire students' interest and creativity in materials science and engineering.
- Enhance knowledge and provide experiences in fields related to materials science and engineering.
- Provide student members with opportunities and resources for professional and career development.
- Support, educate, and give back to the community through involvement and outreach.
- Connect students with like-minded individuals and professionals in their study or career field of interest.
- Encourage and help students develop important skills through workshops and open opportunities
- Immerse students in networking at meetings, on campus, and at conferences.
- Incorporate fun as much as possible in the above missions!



AWARDS & RECOGNITIONS

★ 2020-2021: **Most Outstanding Chapter Award**

Awarded by Material Advantage in recognition of overall excellence in chapter programming, career development, service, social activities, and chapter management.

★ October 2021: **UNT College of Engineering News Article on UNT MA**

An article written by University of North Texas, College of Engineering recognizing UNT MA for winning Most Outstanding Chapter.

★ September 2020: **Student Organization Spotlight**

Awarded by University of North Texas, Division of Student Activities in recognition of being an outstanding student chapter at UNT.

★ September 2020: **Student Organization of the Month**

Awarded by University of North Texas, Division of Student Affairs in recognition of dedication, contributions, and hard work to making UNT a better campus and making a difference in the lives of students at UNT.

★ 2017: **Won the TMS Materials Bowl**

Awarded by The Minerals, Metals & Materials Society, TMS Annual Meeting & Exhibition for winning a materials-themed knowledge and trivia competition.

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2022-2023 HIGHLIGHTS

UNT Material Advantage had...

- Spoke to 2 House Representatives in MA congressional visit
- 6 general meetings
- 6 officer meetings
- 3 workshops
- Attended 2 conferences
- 7 social activities/events
- 3 guest speakers
- 8 career/professional development events
- 12 networking events
- 3 volunteer/service events
- 10 lab opportunities/internships
- Two (2) large celebratory functions, one per semester
- Seven (7) social media/marketing platforms
- Many game nights - *we actually lost count!*

UNT MA CHAPTER'S CALENDAR

August 2022

- ✈ 24th- First Flight Week Tour Guide

September 2022

- ✈ 9th-Disco at Park
- ✈ 16th - BBQ Cookout
- ✈ 22nd - First General Meeting
- ✈ 29th - Resume Workshop

November 2022

- ✈ 9th - Second General Meeting
 - 👤 Glass Etch Workshop
- ✈ 9th - Third General Meeting
 - 👤 Professional Development Night
- ✈ 15th - Open House

December 2022

- ✈ 15th- Pot Luck

February 2023

- ✈ 2nd - UNT Spring Welcome Back Bash
- ✈ 13th - Third General Meeting
 - 👤 Featuring Gerardo Gamboa
- ✈ 15th - Ma Professional Night
- ✈ 20th-26th - UNT Engineering Week
- ✈ 22nd - UNT Spring Career Fair

March 2023

- ✈ 2nd - MRS and MA Quiz Bowl
- ✈ 7th - 4th General Meeting
 - 👤 Cartesian Diver

April 2023

- ✈ 13th - 5th General Meeting
 - 👤 Featuring Dr. Kevin E. Howard
- ✈ 17th - 6th General Meeting
 - 👤 MA Earth Day
- ✈ 14th - MA/MRS Poster Competition
- ✈ 15th-28th - MA Officer Elections for FY 2022-2023
- ✈ 18th-19th- Congressional Visit Day

May 2023

- ✈ 5th - MA End-of-Year Party

CHAPTER MANAGEMENT

Security

Discord Server Security & Rules: The “aMAzing Discord Server” is a place for the team and all members to interact daily. Security to the server was critical as important information such as Zoom links, Zoom passwords, resources, and announcements can be found there. Everyone joining must verify their identity before being granted access to channels on the server. Newly joined members are greeted with a welcome page and clear instructions on how to verify their identity. All new members are required to provide their full name, majors, status (student, faculty, or neither), and choose to verify their identity via CampusLabs or by providing their school email address. After an officer verifies their identity, they are granted access to the server and their provided information is deleted from the verification channel for privacy purposes, and only officers and unverified members can access the verification channel. Anyone that chooses to not verify their identity will remain as an “unverified member” with no access to any content inside the server. All members of the Discord server must abide by the given rules to maintain their access. Any member who violates the following rules are at risk of being kicked or banned from the server, or be reported to the University:

- Respect all members in the aMAzing Discord Server
- Abide by the UNT Student Code of Conduct
- Abide by the UNT Academic Integrity - It's ok to ask for help on homework/courses but we won't tolerate violations of academic integrity & put members at risks
- Do not misuse any information or abuse given privileges that'll cause harm to the UNT MA chapter, members, or UNT *(e.g. sharing important info to an outside source, distributing Zoom meeting passcodes to organize a Zoom Hack, etc.)

Bitly Data: All links within the organization were shared using Bitly. It is a free and powerful tool that allows customized shortened links, gathers free statistics, and useful data (e.g. how/where and times the links were accessed). Bitly helped the team stay organized, but it also provided a free method to track all the link clicks. The team used Bitly to predict potential security breaches such as Zoom hacks allowing officers to change links/passwords to the respective events.

Social Media Insights: All UNT MA social media platforms are set as “business pages” to allow users to easily contact the team and to obtain free insights on the uploaded content. Insights show how many times a post was seen, shared, liked, and more. Using this data, the team determined which topics were most popular among UNT MA followers and when the optimal time to post on social media was (typically early afternoon).

RSVP Forms: RSVP forms were created using Google forms. The purpose of RSVP forms was to predict attendance and better prepare for meetings/events. Members who RSVP earn points for doing so and are given an option to ask any questions they might have about the event. Forms were also used after the meetings/events for members to provide honest feedback in order for continuous improvements. The forms were used quite often for upcoming study sessions where members can submit questions prior to the event for the tutors to better prepare and assist.

CampusLabs: CampusLabs is used to engage students with Material Advantage at University of North Texas. When a student wants to get involved, they are directed to our CampusLabs to become a member of our chapter. CampusLabs allow the team to display information about Material Advantage such as organization affiliations, requirements for membership, meeting date(s) and time, and social media handles. This is also where the team keeps the member roster, submit events, display bylaws, and host annual officer elections.

★ **ELECTIONS**

To elect the new officers for the 2023-2024 school year, the team used CampusLabs to vote on candidates. Nominees were nominated or self-nominated via a Google Form and asked to put the relevant information for running on their form. Members were given two weeks to vote on the nominees and the winners were announced via Campuslab and at the end-of-year party. All votes are fully anonymous and secured by the University of North Texas.

★ **FINANCES & BANKING**

UNT Material Advantage banks with Wells Fargo, and our primary income streams are sponsorships, grants, and fundraising. The two primary fundraising avenues are the sale of UNT Material Advantage merchandise, such as face masks and shirts, and corporate sponsored events, such as Panda Express and ShareTea ‘split-income’ events where a portion of the proceeds are given to the organization.

- Secured four (4) sponsorships with
 - UNT Department of Materials Science & Engineering
 - UNT College of Engineering
 - Basecamp
 - Infinity Candle Company
- Partnered and collaborated with five (5) professional/student chapters outside of MA
 - UNT Materials Research Society (MRS) student chapter
 - UNT Department of Materials Science & Engineering
 - UNT College of Engineering
 - DFW SAMPE professional chapter
 - DFW SPE professional chapter

★ **WEBSITE MANAGEMENT & SOCIAL MEDIA PLATFORMS**

- September 21st-Dec 15th:
 - 34 accounts engaged
 - 370 reached audience
 - Went from 198 followers to 230
 - 84.4% are 18-34yo, 15.6% is 35+yo
 - 53.8% men, 46.2% women
 - 55 content interaction
 - 33 likes
 - 7 saves
 - 15 shares
- February 2nd-May 5th:
 - 42 accounts engaged
 - 321 reached audience
 - Went from 230 followers to 326
 - 85.6% are 18-34yo, 14.4% is 35+yo
 - 52.8% men, 47.2% women
 - 44 content interaction
 - 38 likes
 - 3 saves
 - 3 shares

★ **FORMS FOR FEEDBACK & SURVEYS**

The use of feedback and surveys is vital to the operations of this chapter. The data gathered from these devices is used to plan and organize the most efficient paths possible. This includes, but is not limited to, establishing meeting dates, meeting topics, and the level of engagement with the community. In addition, it is vital to the success of future endeavors to gather data to gauge the success of projects and meetings to improve further and build on their successes and failures.

★ **DISCOVERY AT THE PARK**

This was a tabling event in the Fall semester where our officers promoted MA at UNT's College of Engineering campus, Discovery Park. Officers conversed with students about the benefits of MA, why they should join, and how it is open for all STEM majors. This event allowed our organization to grow in members and gain new perspectives with students majoring outside of MSE.

★ **MEMBER OF THE MONTH**

This award is given to our most outstanding members based on their contribution to the organization and its members. All MA officers collectively select a member who puts in exemplary effort for the chapter each month and honors them with this award. In addition, the chosen member is highlighted on the chapter's social media to advertise their efforts and skills.

★ **OFFICER MEETINGS**

Bi-weekly meetings are held for MA officers to plan, coordinate, and give feedback on the progression of the organization while instating a plan of action for future events. During these meetings, discussion includes formatting general meetings for members, recruiting guest speakers, coordinating events, etc. The officers also take time to reflect on making sure MA members are satisfied and prevent potential issues.

★ **SPRING TRANSFER ORIENTATION INTRO & RECRUITMENT**

This was a tabling event in the Spring semester where our officers promoted MA at UNT's College of Engineering campus, Discovery Park. Officers conversed with transfer students about the benefits of MA, why they should join, and how it is open for all STEM majors. This event allowed our organization to gain exposure to different college majors other than MSE.

★ **MEAN GREEN FLING**

This was a tabling event that occurred during the Spring semester where officers promoted MA on UNT's main campus. The target demographic of this event was freshmen and sophomores with little to no experience with engineering. Officers discussed the benefits of MA, why students should join, and how it is open for all STEM majors. This allowed new college students to become familiar with MA.

★ **UNIVERSITY PREVIEW DAY**

This was a tabling event for incoming freshmen at the beginning of the Fall semester where officers promoted MA on UNT's main campus. Officers discussed the benefits of MA, why students should join, and how it is open for all STEM majors. In addition, officers exhibited a demonstration of a MSE experiment to increase engagement and interest.

INVOLVEMENT FAIR

This was a tabling event in the Spring semester where officers promoted MA at the engineering school at UNT, Discovery Park. Officers talked about the benefits of MA, why they should join, and how it is open for all STEM majors. This allowed our organization to expand in members and have a new outlook with majors outside of MSE.

UNT MA ELECTION FOR 2022-2023

The MA officer team passes the torch to the next generation of officers by hosting an election. All members are allowed to participate and campaign for the position they desire. Once candidates are declared, all STEM majors are allowed to vote in this leadership election.

MEETING WITH UNT CHAIR

The officers met with the chair to discuss major events, such as end of semester gathering, conferences, and the progress of MA as a whole. Taking members to conferences was also discussed as it allows members to participate in poster contests and seminars to improve their skills and careers. Lastly, the state of the organization was discussed to make sure that everyone is satisfied with the progression of the chapter.

TECHNICAL PROGRAMMING

★ **MATERIAL MONDAY**

Material Mondays is a social media campaign where specific materials are promoted through interesting facts and colorful social media posts. This was a fun way to show how materials are all around us and get members to think about what their everyday item is made of, how it is processed, and think more about what they are truly capable of.

★ **MEET MA & HANDS-ON MATERIALS WORKSHOP**

The first general meeting where officers introduce themselves to both new and old members. The officers discussed what MA is and what is their goal. Then the team had the members make a parachute and held a parachute contest where the group with the longest air time wins.

★ **Disco at Park**

This is a tabling event where we promote our organization to fellow students and also talk about the importance of material science. We have a table to represent material topics such as magnetic sand to talk about the difference magnetization, laser powder bed printed rocket nozzle to discuss additive manufacturing, and something as simple as clear Orbits in water to talk about refraction index in materials. We also show past events such as glass etching and candle shop making to discuss how they relate to materials.

★ **STEM AT DISCOVERY PARK: EXPERIENCE ENGINEERING**

This event has held with the Materials Science Department for incoming and future students to experience engineering and the organizations present at Discovery Park. An activity was devised and created by the officer team that used the principles of refraction and psychology to create a fun and entertaining activity for the attending individuals.

★ **Resume Workshop**

We had a guest speaker, Laura Garza, who is the career coach for UNT engineering department. She had a presentation on how to build up your resume even if you do not have much background experience. She taught how to use website resume scanners to make sure our resumes align with what the job post is asking. She also taught us how to network with people at the fair in case we miss out on the position and still want to work for that company.

★ **GLASS ETCHING WORKSHOP**

To celebrate the International Year of Glass we hosted a glass etching workshop. In this workshop we etched unique patterns, such as the MSE tetrahedron, onto glass coasters. This was done via chemical glass etching process where a chemical etchant was placed over the pattern where the glass was exposed and etched that pattern into the glass. It was a very hands-on learning experience where everyone can take home their piece that they learned about and worked on.

TECHNICAL PROGRAMMING

★ MATERIALS EARTH DAY EVENT

This was our last general meeting. We discussed the importance of recycling for the environment and what are the lead materials that cause the most damage. We discussed how these materials, mostly thermosets, are so hard to decompose and hard to recycle and talk about ways to tackle these problems. Our members also came with their own ideas and will strive to implement them in their future endeavors in the industry.

★ MA/MRS POSTER COMPETITION

This competition consisted of 38 student contestants from any major, where they presented their research in the materials field to fellow peers and judges. This helped students develop their professional communication skills as they had to present to students and professors alike in a calm and smooth fashion while not going too fast nor too slow. This helps students understand how a professional setting behaves and how to properly prepare for such future events.

★ Guest Speaker Gerardo Gambo

Gerardo presented for our first spring general meeting. He talked about how he was able to manage his time when he had a lot of tasks and positions. He was president of Material Research Society, doing a co-op with Emerson, and wrote his thesis all within one year. He was also able to get 8hrs of sleep as well as bond with his family. He shared how he was able to share his knowledge on how members can do the same. This is very beneficial to our members who have busy schedules or work to show how they can properly balance their schedule so they do not get overwhelmed with school and their personal lives.

★ ENGINEERING RESEARCH SHOWCASE

This competition, Engineering Research Showcase, was used to get all students of the college of engineering involved to present their posters. This allowed the students to showcase all the research they have done up until that point. The posters were judged and graded as they competed against each other in 5 different categories, those being most creative, innovative technology, best oral communication, highest societal impact, and best poster layout. This competition also hosted many events prior to the actual competition itself. These consisted of workshops to formulate abstracts and create posters, networking events to help networking skills, and how to properly transfer their research data into a poster format.

★ Guest Speaker: Kevin E. Howard

Dr. Kevin E. Howard spoke at our general meeting. Dr. Howard presented an overview of career opportunities for Materials Engineers in industrial positions, especially within the chemical industry, reflecting Dr. Howard's experiences over the last thirty-five years. Real-world commercial product development and complex interdisciplinary problem-solving will be included as examples of how materials science plays a key role in the industry, with advice on the future of opportunities in the industry.

CAREER DEVELOPMENT

★ MA/MRS POSTER COMPETITION

For this competition we invited all majors that focused on materials studies to compete in a poster competition. The purpose of this competition was to get as many students exposed to a professional environment such as MS&T and TMS. This prepared students for being judged and able to keep a level headedness and cool composure so they will not speed up or stumble their words in front of judges. It also showed students how more experienced engineers present and they were able to take note and apply that to their own future presentation for future presentations to come. There also was an abstract submission prior to the contest which helped students learn or get exposure to writing an abstract for such an event. They were also edited upon submission to show where their mistakes were and how to improve them for future submission.

38 total participants of various majors:

- 12 biomedical engineering
- 15 materials science and engineering
- 2 electrical engineering
- 4 chemistry
- 5 physics

participant's classification breakdown:

- 2 sophomores
- 3 juniors
- 6 seniors
- 15 graduate student
- 12 PhD students

★ UNT COE CERTIFICATION

University sponsored students attending, winning poster competition

★ CAREER FAIR FOR STEM MAJORS

The officers prepare the members for the career fair with workshops and guest speakers. The career fair itself has multiple recruiters from different companies looking for people to hire or intern. The officers heavily recommend all members of any class to participate. Even if the members do not land the position they still gain experience for how to sell themselves and be in a professional environment.

CAREER DEVELOPMENT

★ PROFESSIONAL DEVELOPMENT NIGHT

This was a MA event to help members start or improve their resumes, CVs, cover letters, Linked profile, and handshake profile. We went over members' previous resumes and worked to improve them by making their resumes more professional, have more content geared towards MSE, and how to properly include their classes and previous projects. We also used their resumes as foundations to build their CVs on for the projects and labs that they worked on. Also, we had free professional headshots with advanced lighting and photography which they can use for their resumes or other professional purposes.

★ Resume Workshop

Laura Gaurza showed how to properly build resumes and cover letters for our members to prepare for the upcoming career fair. She also evaluated our current resumes and helped to improve it for each company we want to talk to. There was also a separate section to show how to build CVs for those who want apply to research opportunities in labs or for summer REU.

★ TMS 2023 CONFERENCE

University sponsored students attending, winning poster competition. A student was sent to the TMS conference to attend the seminars and participate in the poster contest. At TMS the students learn about the metallurgical science of MSE, and how metallurgical techniques are improving, adapting, and changing to accommodate for new stronger technology while decreasing density. Also there, the student participated in the light metal division of contest and one in the undergraduate division. This was beneficial as the student was able to hone their presentation skills and be able to put that accomplishment in future resumes for internships and future work.

★ TMS Materials Bowl 2023

We sent 4 students to participate in the annual material bowls competition for TMS. This competition tested those 4 members' trivial knowledge on material science. There they competed against 11 other teams. They were able to get in the top 6 after years of non competing. They further aim to compete next year to get in the top 3 teams.

★ MA CONGRESSIONAL VISIT DAY

5 members traveled to Washington D.C. to speak with state representatives about why material science is very important and how government funding helps material science projects. We all discussed the projects that rely or use government funding and tell our stories on how that funding impacted on work and how it was able to provide many opportunities to learn or travel to research. We also discussed how this research has benefited the United States. We were able to speak to two representatives and tell them about our stories and were able to network with them.

CAREER DEVELOPMENT

AIST

During a general meeting our vice president, Justin Ohl, talked about all the opportunities and his experience with AIST. He brought up the scholarships they offer and what competitions members can participate in. He discussed his internship experience and how he was able to apply his knowledge and expand upon it throughout his time at AIST. He further explained all the benefits that AIST has and what they have contributed to society.

Engineering Week

For this week engineers are celebrated, and it is a good opportunity for orgs to represent their major. MA represented MSE and made sure all the engineers knew about the field. Also there were events where we encouraged our members to join in events. One of those events being the career fair where they can put themselves out there for job or intern opportunities.

SERVICE

★ Study Help on Demand 24/7

Study help is available to our members on demand within our Discord server. The channel allows verified members in our server to start a study session, ask for help, and receive assistance with their courses at any time. This allows our members to get help with homework or upcoming exams. The study help channel has helped many connect with classmates and upperclassmen that are knowledgeable in their study topics. MA officers also constantly monitor the channel to ensure students are abiding by appropriate policies such as the UNT Academic Integrity and the UNT Student Code of Conduct.

★ UNT First Flight Tour

Every year we have incoming freshman tour campus a week prior before the semester starts. For this, our officers volunteer to tour material science students around our department. We showed them our labs, research facilities, and manufacturing system. We also explained the various machines and equipments such as the scanning electron microscope to laser powder bed fusion and how it relates to materials science. We ended with a group photo to show the growth of the class over their journey in material science.

★ UNT Open House

Our department held an open house to the local community and fellow college of engineering departments. Similar to the first flight tour, officers would show the attendees of the events around the material science department. We also explained machines and how they relate to material science.

★ FREE BUSINESS CARDS

For this service, business cards would be manufactured for MA members upon request. They can use these cards for future interviews, poster contests, or career fairs. This will show the recruiters that are members will go above and beyond to prepare for meetings and show their professionalism to being wanted to hire.

★ RESUME CLEAN-UP

For this service, we would look over MA members' resumes during a workshop or on a 1 on 1 basis to evaluate, edit, and improve their resume. We do it with our members so that it is not just one person doing all the work for them, but to help them understand how to properly build a resume for future career purposes.

★ UNT MA Free Rides

Providing rides for student members to and/or back from events. Since our community is diverse and wide there are many students that may not live near campus or may not have a mode of transportation, this is an impediment that the organization tries to overcome by always offering rides and pickups for meetings and events.

SOCIAL ACTIVITIES

★ SOCCER TOURNAMENT

This event was organized in conjunction with other student organizations on campus. Our members signed up on an organization team to compete against the other orgs whilst our other members came to support them with banners. This event gave our members a chance to exercise their passion for soccer and to congregate with the other student organizations whilst enjoying a day out.

★ Material Quiz Bowl Night

This event was to prepare our materials bowl team for the upcoming TMS competition. We had it set up trivia style where there were 4 buzzers set up for each team. We would have multiple teams of the brightest MA and material research society members, who were unable to attend, compete against them and won $\frac{3}{4}$ of rounds.

★ BBQ COOKOUT

The BBQ Cookout was planned in conjunction with the UNT Materials Science Department, and was the official beginning of the departmental sponsorship of UNT Material Advantage. This event featured a catered meal, lawn games, and several giveaways. This event also revived a departmental tradition, and hopefully sowed the seeds of new traditions to come.

★ MA VS. MRS BOWLING SHOWDOWN

This event was another friendly competition between the members of Material Advantage and our sister organization the Materials Research Society. Both organizations fielded teams of eight, and the team with the highest combined score was declared the winner. MA was defeated by MRS this year once again, but has been training to beat them two fold even the score!

★ END OF THE YEAR PARTY

The End of Year party was planned in conjunction with the UNT Material Science Department, and served as the send off to another successful semester. The event was on Cinco De Mayo, so we had a Mexican themed end of the year party led by our public relation's officer Jacqueline who originated from Mexico. We gave out rewards, had Mexican themed drinks and snacks, and passed down the torch to the next officer team.



College of Engineering
Department of Materials Science and Engineering

Material Advantage
9639 Kinsman Road, Materials Park, OH 44073

June 1, 2023

Re: Support letter for 2023 MA chapter of excellence

Dear Chapter of Excellence Review Committee,

It gives me a great pleasure to provide this letter of support for the application of the MA Chapter of Excellence for the Materials Advantage University of North Texas Chapter. The MA UNT Chapter has organized a series of student activities for students in the Materials Science and Engineering and related fields. These activities enriched the program and student experiences and prepares students for both professional and leadership positions. I thus provide my strongest support for the application of Chapter of Excellence for MA UNT chapter of this year.

This class of MA chapter leadership team, under the leadership of Devin Davis, an MSE major and chapter President, have done a super job in running the chapter with a large number of well-organized activities. Just to name a few of those activities that have high impact on the students in the MSE department and other engineering/science programs. In March this year, the MA Chapter organize the quiz ball on material science and engineering knowledges based on which they form a team to compete at the TMS Materials Bowl in San Diego. In April, they organized a seminar by Dr. Kevin Howard, a veteran engineer with over 30 years' industrial experiences, to share how to get in and thrive in industrial environments. Also, in April, four of our chapter members, all minority engineering students, joined the Congressional visit in Washington DC. In May, the chapter organize the end of semester cook out for MSE students, it is a fun time that host both MSE faculty, students and friends, with BBQ, soccer and other games. These are just a few examples of outstanding activities organized by the Chapter in the past year. These activities have become an important part of our department and greatly enriched student lives, help in retention of students, and growth of our programs.

We have a tradition of strong MA chapter leadership and activities and we received the Chapter of Excellence in 2021. This MA, in particular, has done superb jobs. I thus strongly advocate to award MA UNT the Chapter of Excellence Award of 2023.

Please let me know if you need any additional information.

A handwritten signature in black ink, appearing to read "Jin Du".

Prof. Jincheng Du, FASM, FACerS