



Wuhan University of Technology
Material Advantage Chapter

Chapter of Excellence Nomination and Annual Report

YanJun Lyu
Submitted June 1st, 2018

CONTENTS

CHAPTER OVERVIEW	1
OVERVIEW	1
CHAPTER ADVISORS	2
CHAPTER MANAGEMENT COMMITTEE	3
PROGRAMMING.....	4
M-VISION INTERNATIONAL LECTURE.....	4
CHAPTER COOPERATION	6
CAREER DEVELOPMENT	7
ATTENDING MS&T 2017.....	7
2017 SHORT STUDY PROGRAM AT MONASH UNIVERSITY	7
2017 SHORT STUDY PROGRAM AT UNIVERSITÉ DE LORRAINE.....	8
M-MAESTRO FORUM	8
SERVICE	10
OPEN LABORATORIES.....	10
POTTERY MANUFACTURE SKILL CONTEST.....	10
SCIENCE SUMMER CAMP	10
ELECTRON MICROSCOPE KNOWLEDGE COMPETITION.....	11
BASIC KNOWLEDGE OF MATERIALS SCIENCE CONTEST.....	11
STEEL BRIDGE DESIGN CONTEST	11
OUTREACH IN WUHAN SCIENCE MUSEUM.....	12
VOLUNTEER IN WUHAN MARATHON	12
GUIDANCE IN SUBWAY STATION.....	12
SOCIAL ACTIVITIES	13
M-DAY	13
M-CLUB	15
CHAPTER MANAGEMENT	16
ORGANIZATION AND PROCEDURES	16
OFFICER DUTIES	17
TREASURY	20
ADVISOR LETTER.....	21
LETTER 1	21
LETTER 2	22

Chapter Overview

Overview

The Material Advantage Wuhan University of Technology Chapter (MA WUT Chapter) is a student organization under International School of Materials Science and Engineering of Wuhan University of Technology (WUT-ISMSE), which is a pioneering student-autonomous organization first founded in mainland China. Relying on the superiority of Wuhan University of Materials Science and Engineering discipline, focusing on the goal of building a world-class material major and cultivating top-notch innovative talents, the chapter has always been dedicated to achieving goals as follows:

Broadening & consolidating students' basic knowledge, inspiring students' interest and creativity in materials science and engineering

The chapter extensively invites students to participate in various kinds of material knowledge contests and manufacture competitions to develop a competitive academic atmosphere for students. Meanwhile, the chapter also provides students with communication & presentation channels with preeminent scholars all over the world by organizing different kinds of activities.

Broadening students' international horizons

The chapter provides students with lectures & reports given by the most preeminent figures from all over the world, including Nobel Prize laureates, the most distinguished professors and outstanding business elites around the globe. etc.

Creating an atmosphere of independent innovation and cultivating students' comprehensive capabilities

The chapter offers a great many opportunities to students to transform their ideas into reality: laboratories are invited to free-open to students for visits and are willing to provide experiment conditions to students(undergraduates) to their utmost extent. The

chapter also highly encourages students to engage in different kinds of trainings and social practices provided by colleges and institutes worldwide. Moreover, the chapter helps as much as it is able to students grasp their opportunities to take part in MS&T and other capability-developing events.

Developing international cooperation & communications and improving the international reputation of the chapter

The chapter has been dedicated to build intimate communication & cooperation partnerships with excellent MA chapters all over the world. Up to now, we have developed good communications with UIUC chapter and WPI chapters. It is also well worth mentioning that chapter members achieved outstanding results last year when the chapter participated in MS&T for the first time.

In short, MA WUT Chapter is such a harmonious and progressive organization where students receive happiness from diverse activities, develop capabilities and friendships from cooperation and communications, harvest future with infinite possibilities!

Chapter Advisors



Faculty Advisor
Prof. Fei Chen



Industrial Advisor
Dr. Chen Dai



Faculty Advisor
Dr. Yuanlu Xiong

Chapter Management Committee



Chair
Yaping Gu



Vice Chair
Han Xiao



Secretary
Yanjun Lyu



Social Chair
Ruohan Yu



Professional Chair
Ruyi Chen



Outreach Chair
Wenying Wei



Personnel Chair
Yueqi Wu



Treasurer
Ruhan He



Service Chair
Chen Tian

Programming

M-Vision International Lecture

This activity is held in the lecture hall of the west-campus library, at least once a month in average during each semester. Except for Material-Vision Lecture, there's no such place where you can meet and talk with different kinds of people who are related to the material field face to face before. Sponsored by International School of Materials Science and Engineering, our chapter started this program in 2016.

In each lecture, we will invite distinguished professors, outstanding students with international study or work experiences and experienced language teachers to share their visions about technical knowledge, college education, career development and even their interesting life stories. After the lecture, there's time left for students to talk with them more deeply. Some of the students even show those lecturers around Wuhan, the city where our university is located, as tour guides.

The M-Vision provides a platform for students to acquire the cutting-edge information of material field, and to network with potential tutors or employers before they step into career stages. The chart below shows the lectures which have been held since it started.

Activity Spot



Time	Main Speaker	Topic
Sept. 15th 2016	Prof. Donald Sadoway (Massachusetts Institute of Technology)	How to Learn Chemistry
Oct. 10th 2016	Prof. Lanagan (University of Pennsylvania)	Research Progress on Energy and Medical Materials
Nov. 20th 2016	Prof. Yingliang Liu (Wuhan University of Technology)	The Campuses of American Universities
Mar. 3rd 2017	Prof. James Shackelford (University of California, Davis)	Ten Things Every Engineer Should Know about Materials Science
Apr. 11th 2017	Prof. Diran Apelian (Worcester Polytechnic Institute)	Principles for Professional Life
Apr. 19th 2017	Prof. Wei-Hsing Duan (Taiwan University)	How to Protect Intellectual Properties
Apr. 30th 2017	MS. Ying Xiong (New Oriental English School)	How to Prepare for TOFEL, IELTS and GRE
June. 1st 2017	Prof. Kaka Ma (Colorado State University)	Experiences for Learning in USA.
Nov. 10th 2017	Prof. Jean-Jacques Gaumet (Université de Lorraine)	Materials and Ecosystem: How to make them better?
Dec. 4th 2017	Prof. Jiaxing Huang (Northwest University)	Curious Minds and Materials Discoveries
Dec. 15th 2017	Prof. Bruce Dunn (University of California, Los Angeles)	Three Dimensional Architectures for Electrochemical Power Sources
Mar. 30th 2018	Prof. William G. Fahrenholtz (Missouri University of Science and Technology)	Publishing Papers in Technical Journals
May. 11th 2018	Chen Dai (VJ Technologies)	From Materials Science to NDE
May. 17th 2018	Yansheng Ma (Beijing Foreign Studies University)	French Higher Education and Advantages
May. 24th 2018	Ravi Silva (University of Surrey)	Nano-Carbons: Is it the next super-material?
May. 24th 2018	Guosheng Shao(University of Surrey)	Recent Advance in Graphene: Characterization and Mass Production Towards Energy Applications

Propaganda Posters

INTERNATIONAL 国际视野讲堂
材料科学与工程国际化示范学院
INTERNATIONAL SCHOOL OF MATERIALS SCIENCE AND ENGINEERING

时间：2018年3月30日（星期五）15:00
地点：杏林图书馆报告厅
主办：材料科学与工程国际化示范学院
承办：Material Advantage WUT Chapter
(全球材料精英计划武汉理工大学分支)

讲座主题：Publishing Papers in Technical Journals
主讲教授：William G. Fahrenholtz

主讲人简介
William G. Fahrenholtz, 美国密苏里科技大学材料科学与工程系陶瓷工程专业Curators杰出教授, 国际著名期刊《美国陶瓷学会会刊》(Journal of the American Ceramic Society) 主编。他于1987年和1989年在伊利诺伊大学厄巴纳-香槟分校(UIUC) 分别获得了陶瓷工程学士学位和硕士学位, 1992年在新墨西哥大学化学工程学院 (UNM) 获得博士学位。2007年当选为美国陶瓷学会会士。另外, 他在《陶瓷加工》、《X射线衍射分析》和《材料热力学》等课程教学方面也具有方向是: 在热载流, 机械应力或化学反应等极端、复杂环境下先进结构陶瓷的加工, 表征及其力学性能。现已发表期刊论文135余篇, 受邀发表演讲超过80次。

Abstract
This presentation will provide advice for graduate students and early career researchers on publishing papers in technical journals. The presentation will introduce the journals published by the American Ceramic Society. The presentation will cover the basics of selecting the proper journal, preparing a manuscript, and revising manuscripts using comments from the peer-review process. In addition, the presentation will include tips for maximizing the impact of papers by tailoring the titles, abstracts, and keywords.

欢迎广大师生参加

INTERNATIONAL 国际视野讲堂
材料科学与工程国际化示范学院
INTERNATIONAL SCHOOL OF MATERIALS SCIENCE AND ENGINEERING

时间：2017年12月4日（周一）09:00
地点：逸夫楼十楼报告厅
主办：材料科学与工程国际化示范学院
承办：Material Advantage WUT Chapter
(全球材料精英计划武汉理工大学分支)

讲座主题：Curious Minds and Materials Discoveries
主讲教授：Jiaxing Huang

主讲人简介
黄嘉兴 (Jiaxing Huang), 美国西北大学材料科学与工程教授, 获中国科学技术大学物理学学士学位, 加州大学洛杉矶分校化学博士学位, 并于2004-2007年获得加州大学伯克利分校米勒研究奖学金。在研究中, 黄教授的团队致力于创造有潜在价值的知识和、新材料与新技术。他们还通过教学来培养同理心, 激发创造力, 极大程度激发学生以及团队的潜力。曾获国家自然科学基金、斯坦福基金会、制造工程协会、美国真空学会和国际气溶胶研究大会颁发的多种奖项。曾被列入汤森·路透 (Thompson Reuters) “化学领域高被引学者” 和爱思唯尔 (Elsevier) “材料科学与工程领域高被引学者” 名单, 并获过《科学》、《日本学术振兴会》科学基金和德国洪堡基金。

Abstract
Curiosity-driven discoveries can often inspire to new hypotheses in scientific research and solutions for solving problems. I will share a few discoveries from my research group and my classrooms. For example, crumpled paper balls in a wastebasket inspired a new form of ultrafine particles that becomes aggregation-resistant and can disperse in arbitrary solvents. This represents a new way to achieve colloidal processability without the need for tuning surface chemistry. In another example, nanopatterns in Blu-ray movie discs are found to be universally quasi-random, which are suitable for improving the performance of solar cells through light trapping. This suggests a new way to design nanopatterns with the help of information processing algorithms. Finally, I will use a few examples to illustrate how curiosity-driven enquiry enhances learning experience and empowers students to innovate. In one example, a question asked by students after class inspired their creation of sensors from office and toy pencils.

欢迎广大师生参加

Chapter Cooperation

Members who attended MS&T 2017 had a further discussion on the topic that how to recruit new members and manage our chapter with Worcester Polytechnic Institute after the workshop. We exchanged our methods with them and we both got inspirations from each other.

MA WUT Chapter made an communication and supported cooperation with UIUC MA Chapter in June, 2017. Jessica, the advisor of UIUC MA Chapter delivered WUT students an excellent speech in ISMSE WUT, Wuhan.



Career Development

Attending MS&T 2017

Six undergraduate students from our MA Chapter were sent to attending the MS&T 2017 in October 7th, 2017. Yanjun Lyu took part in the Undergraduates Speaking contest. The other five participated in the Undergraduate Students Poster contest. Chen Tian won the second prize and Yuping Gu was ranked third place of the Undergraduates poster Contest. Apart from the student contest, we also took part in the leadership workshop and exchanged ideas about the management of the Material Advantage Students Chapter.



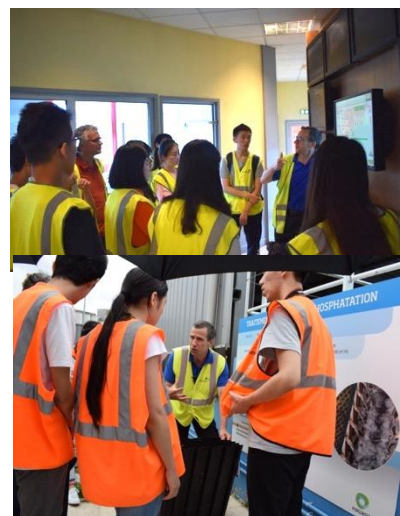
2017 Short Study Program at Monash University

At the summer of 2017, a group of 13 students with our chapter members in took part in the short study program to Monash University and have spent about two weeks abroad. We have taken some courses and lectures such as Engineering English and Global Professionals, done the innovation practices and visited their engineering workshops. Wenying Wei, the outreach chair of our chapter, spoke as the student representative on the farewell ceremony and shared her experience and feelings about this program.



2017 Short Study Program at Université de Lorraine

During the period from July 8th to July 23th, a group of students including chapter members visited University of Lorraine in Metz. We attended several lectures covering several topics in materials science and engineering, such as materials simulation, biomaterials and solar cells. We also visited some industrial sites, such as waste treatment plant, water treatment plant and nuclear power station. What's more, we took French lessons and experience French culture.



M-Maestro Forum

Relying on the high-end academic exchange platform of the International School of Materials Science and Engineering, we invite educators, scientists and engineering experts with high academic attainments and international influence to conduct lectures in Wuhan University of Technology. Our purpose is to open up students' international perspectives, to grasp the forefront of international scientific research, to encourage and cultivate students' strong interest in science and engineering, to enhance students' sense of innovation, and to deepen students' understanding of professional connotation. So as to cultivate students' enthusiasm for science and technology and persevere in areas they love. Up to now, our MA WUT Chapter have undertaken 13 times lectures and we named it M-Maestro.



No.	Time	Invited speaker	Title, affiliation
1	Nov. 2 rd 2016	Jean-Marie Lehn	Nobel Prize winner Professor at Collège de France
2	Nov. 28 th 2016	Mrityunjay Singh	Director of the American Ceramic Society Professor of Ohio Aerospace Institute
3	Nov. 30 th 2016	Changwen Liao	Member of Chinese Academy of Engineering Professor of Southeast University
4	Mar. 1 st 2017	Yaxiang Yuan	Member of Chinese Academy of Sciences Professor of Academy of Mathematics and Systems Science, CAS
5	Mar. 15 th 2017	Yi Xie	Member of Chinese Academy of Sciences Professor of University of Science and Technology of China
6	Apr. 7 th 2017	Huiming Cheng	Member of Chinese Academy of Sciences Professor of Institute of Metal Research, CAS
7	Sept. 27 th 2017	Enrique J. Lavernia	Member of US Academy of Engineering Professor of University of California, Irvine
8	Oct. 26 th 2017	Zhongmin Liu	Member of Chinese Academy of Engineering Professor of Dalian Institute of Chemical Physics, CAS
9	Oct. 27 th 2017	Jihong Yu	Member of Chinese Academy of Sciences Professor of Jilin University
10	Mar. 4 th 2018	Anthony K. Cheetham	Academics, Goldsmiths' Professor Emeritus of Materials Science University of Cambridge
11	Apr. 16 th 2018	Derek R. Lovley	Member of US Academy of Microbiology Professor of the University of Massachusetts
12	Apr. 17 th 2018	Jean-Pierre Sauvage	Nobel Prize winner, Academician of the European Academy of Sciences
13	May. 11 th 2018	Tatsuki Ohji	Academician of the World Academy of Ceramic Science Director of the American Ceramic Society

Service

Open Laboratories

In November and December, MA WUT Chapter together with SMSE organized visiting trips to 6 different laboratories. These trips are especially oriented to the freshmen who have little understanding of materials science research. By observing some experiments and facilities and listening to our introduction of testing methods, students gain more knowledge about practical experiments in laboratory. And it's good for them to join the tutorial system and choose the research fields they are really interested in.



Pottery Manufacture Skill Contest

The 15th annual Pottery Manufacture Skill Contest was held by ISMSE and SMSE. Members of MA WUT Chapter either participated in it or volunteered to help organize it. There were more than 600 students from many different majors taking part in the competition. Each group cooperated with each other, using their own imagination to create their own pottery works.



Science Summer Camp

On July 9th, WUT opened the summer camp and attracted 219 teachers and students from 47 middle schools all over China. Members of MA WUT Chapter worked as volunteers. During the one-week period, we took them to several academic report meetings and some key laboratories, which fostered their awareness of materials science. In addition, we also arranged a series of fun activities related to science, such as “Protecting Eggs from High Altitude” and “Materials Molding”, so that the youth enjoyed the meaningful scientific journeys very much.



Electron Microscope Knowledge Competition

The Electron Microscope Knowledge Competition was jointly held by MA WUT chapter and SMSE student union on June 4th. Before competition, we held several seminars and trainings on the SEM, TEM, AFM, etc. This competition included the English Abbreviation of various electron microscopes, knowledge of basic principles, operating skills and precautions, and so on.



Basic Knowledge of Materials Science Contest

The basic knowledge of materials science contest is held in September to November every year, which is co-sponsored by the Material Advantage WUT Chapter. More than 200 students from ISMSE and SMSE participated in the contest last year. The contest examines students' mastery of professional basic knowledge, innovative spirit, independent working ability, experimental skills and team spirit of cooperation.



Steel Bridge Design Contest

In May to November every year, more than one hundred students participated in the Steel Bridge Design Competition, which is co-sponsored by the Material Advantage WUT Chapter. The team members design the bridge structure with the help of the instructors and use the materials provided to conduct physical production. Finally, the performance tests of the bridge structure are conducted. And the prize-winning works are displayed in a concentrated manner.



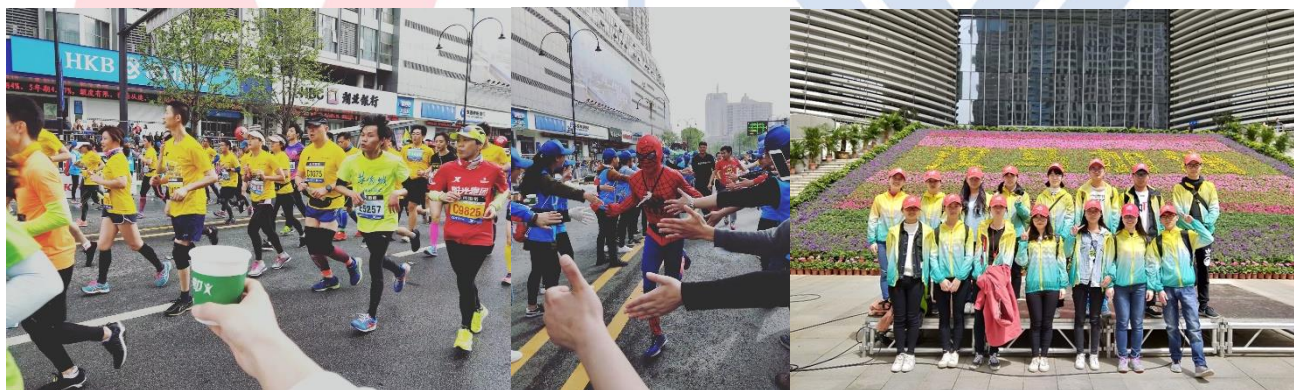
Outreach in Wuhan Science Museum

Members of MA WUT Chapter volunteered in Wuhan Science Museum on weekends. We presented many demonstrations such as photoelectric effect, Compton Scattering and Siphon phenomenon to educate students physical phenomena and scientific knowledge. We also used interactive displays and demonstrations to promote MA WUT Chapter in this outreach program.



Volunteer in Wuhan Marathon

Five members of MA WUT Chapter got up at 4:00 pm on April 15th to be volunteer in Wuhan Marathon. They prepared drinks for runners and kept order and discipline at the scene. More importantly, the runners were greatly impressed by their encouragement.



Guidance in Subway Station

Every weekend from October to November 2017, four members of MA WUT Chapter went to the local subway station to provide community service. They helped people find their way especially for the elderly and children who got lost. They also picked up trashes and did clean-up in the subway station.



Social Activities

M-DAY

On May 20th, MA WUT Chapter members organized the M-Day, a cultural activity integrating comprehensive displays, student competitions and interactive activities, which aims to create an international atmosphere for the school and can be interpreted into Materials Day, May Day and My Day. A total of more than 2,000 people from school-wide student and teacher representatives, parents of students and people from all walks of life participated in the M-DAY series of international cultural events.



Comprehensive Displays

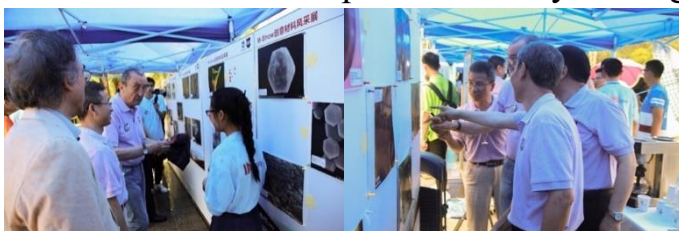
We set up 5 exhibition areas on site, divided them into 28 booths, which include the development of our international student organization Material Advantage WUT Chapter, progress of the construction of International School of Materials Science and Engineering (ISMSE), 17 mentor teams of ISMSE, etc.



Student Competitions

M-Show

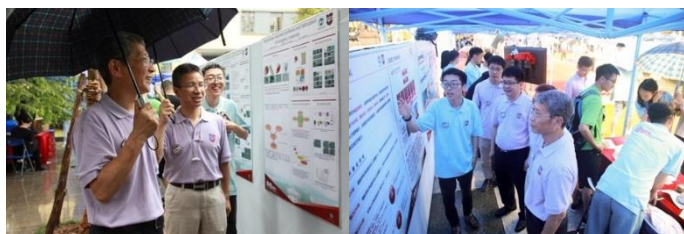
On May 20th, MA WUT Chapter sponsored the M-Day Creative Materials Exhibition called “M-Show”, aiming to arouse students' interest in materials science and engineering and their spirit of exploration. There are a total of 63 pictures mostly coming from undergraduate students participating, which include polished colorful or black and white microscopic pictures of their own-made materials, photographs of the real samples,



materials' models made by software, etc. The audience including undergraduate, graduate students and professors majoring in materials science and engineering finally voted for two First Prize, four Second Prize and seven Third Prize.

M-Poster

On May 20th, Material Advantage WUT Chapter sponsored an Undergraduate Student Poster Contest (which we called M-Poster) in Feima Square, which allowed all the undergraduate students in ISMSE to attend. The poster entered must be the work of an undergraduate and completed during the undergraduate education of the student. The work presented in the poster does not have to be the scientific research achievement of yourselves. There are 15 students entered the contest and ten of them won the First Prize, Second Prize and Third Prize.



M-Speech

On May 13th, MA WUT Chapter sponsored an Undergraduate Student English Speaking Contest (M-Speech 1st round). According to the speaking topic, we divided all the contestants into two groups, academic group and interest group. On May 19th, 13 selected contestants gave their speaking performances in front of four distinguished judges. Their topics vary from Research on Hair Dye Material to Bob Dylan, giving us a wonderful afternoon. On May 20th, we choose four excellent speakers from the final to have their presentation in front of students and teachers from the whole school in Feima Square.



M-Mugs

On May 20th, Material Advantage WUT Chapter sponsored an Undergraduate Student Mugs Dropping Competition in Feima Square. The purpose of this contest was to encourage undergraduate students to find ways manufacturing mugs with high strength and of excellent



aesthetic value. Entries were publicly dropped on the stage and the entry having the highest broken-height won the “Most Powerful Mug” award. Meanwhile, the entry gathering the most thumb-ups for its aesthetic value was awarded with “the Most Beautiful Mug” prize. Getting involved in M-Mugs gives all contestants irreplaceably valuable experience of struggling for solutions of material problems, which is expected to provide students opportunities improving their comprehensive capability.

M-Club

The English Corner, with the name of M-Club, aims to improve students' oral English and communication skills, enhance our interest in materials science and equip us with international horizon.

For the English corner, we always meet every Saturday evening in a cafe where we can have a tea, coffee or milk and chat in English. Participants will mostly be undergraduate students, usually around 8-15 people. The topic is based on our life, study, scientific research. Foreign students and professors are sometimes invited as guests.

We have a chatting group which amounts up to 189 people, including students from all kinds of school (mostly from ISMES and SMES), there are even a few students from other universities nearby who have heard the name of our English corner and travel a long distance to join in. So, we can see new faces almost every time then we would introduce MA to him/her. So, it not only promotes the popularity of MA but also provides reserve talents for MA's future development. The English corner has been held every Saturday night 7-9 PM and has been held for 30 times so far till June.



Successful reach to New Oriental English education institution

In Feb 2018, We have successfully reached to New Oriental (A professional English education institution) and come to an agreement. They have provided us with professional guidance in English learning and school applying and sent teacher to give lectures in our school, also the courses set in our school will be at a discount. And we expect to have a long-term corporation with new oriental English education institution in the next few years.



Chapter Management

Organization and Procedures

General Meetings

Meetings were held every Saturday on a bimonthly basis. These meeting were used to inform members of upcoming events. Meeting attendance ranged between 20 and 40 members with attendance being required for meetings regarding upcoming professional conferences. Agendas and minutes were emailed out and saved to our QQ group (similar to Google Drive community) for reference and archiving.

Officer Meetings

Officer meetings were held every Thursday on a bimonthly basis to allow officers, committee chairs, and the chapter advisor to stay up to date on planning events and organizing chapter. Chapter business included finances, social events, outreach. These meetings were essential for organizing upcoming activities and to ensure the executive members were well informed.

Elections

Officer elections were held during a general meeting on March 3, 2018. The entire officer board was elected in a trickle-down style using Roberts Rules of Order. Nominated students were asked to give a short speech outlining their credentials for the position and reason for running. Any students not in attendance were asked to create a short video speech to be played during elections.

Communication

Communication amongst the Material Advantage chapter members is primarily through QQ (similar to WeChat) and e-mail, department wide e-mails and through bi-weekly meeting updates.

MS&T Leadership Workshop

Several MA officers attended the MA leadership workshop at the MS&T 2017

conference. This meeting was an opportunity for every MA Chapter to meet each other, discuss best practices, and explore new ideas. Student involvement was a major topic in this year's workshop. Topics were discussed over breakfast with the chapters, separated by position.

Officer Duties

Chair

1. Convene and host a management committee meeting to be responsible for the overall work of the MA branch.
2. Contact the Steering Committee and the MA General Assembly to communicate the spirit of the work in a timely manner.
3. Speak and report on the work of the MA branch at the member assembly and other appropriate meetings.
4. Sign all documents on behalf of the MA branch.
5. Organize and supervise the implementation and financial status of each work of the MA branch.

Vice Chairs

1. Assist the chairman in handling the daily affairs and work of the MA branch.
2. Responsible for the full-year work plan of the MA branch and urge it to advance on time.
3. Responsible for the collection and sorting of data on various activities of the MA branch, and writing annual work reports.
4. When the chairman is absent, he will handle the matters in place of the chairman.

Secretary

1. Responsible for recruitment of members of the MA branch, establish and manage member electronic files.
2. Responsible for the records and post-processing and publicity of the MA branch meeting.
3. Assist in the completion of the phased summary and planning of the MA branch.

4. Responsible for submitting annual reports to the United States and organizing for participation in the best Chapter of Excellence (MA) competition.

Professional Chair

1. Responsible for creating innovative cultural atmosphere and broadening horizons.

2. Responsible for the docking of MA branch members and college tutor team.

3. Responsible for planning and organizing various academic conferences, seminars, academic salons, etc.

4. Responsible for the selection and training of MA branch candidates for the international conference.

Social Chair

1. Promote and maintain the image of the MA branch at home and abroad, both at home and abroad.

2. Responsible for MA branch and all kinds of student organizations inside and outside school and all departments within the school.

3. Responsible for organizing various cultural quality activities to improve the quality of MA branch members and the social influence of the MA branch.

4. Responsible for contacting major universities at home and abroad and looking for opportunities for MA branch members to participate in related contests or academic conferences.

Personnel Chair

1. Responsible for the organization of assessment, evaluation and recommendation of new members of the MA branch.

2. Manage member file work, responsible for the change of the MA branch, member additions and deletions.

3. Responsible for the data collation, collection, and updating of members of the MA branch and members of the management committee, as well as advocacy work.

4. Matching the annual work of the best recruiting new branch competition at the MA annual meeting.

Outreach Chair

1. Responsible for MA branch's domestic and international publicity work, through presentations, road shows, pictures, etc., to demonstrate the results and style of the MA branch.
2. Responsible for pushing and propagating new media and websites of the MA branch.
3. Responsible for the design and production of promotional posters for various activities of the MA branch.
4. Responsible for informing the members of the MA branch about the latest news from the four university associations, the MA branch headquarters and other branches.

Service Chair

1. Responsible for the preparation and implementation of materials and materials organized by various activities of the MA branch.
2. Responsible for the camera, recording and finishing work organized by various events.
3. Recruitment of volunteers and voluntary services for various activities of the MA branch.
4. Assist the Secretary-General and the Minister of Propaganda in the preparation of information on events.

Treasurer

1. Responsible for the financing and management of the MA branch funds.
2. Responsible for planning, recording and summarizing the financial expenditures of the MA branch, regularly publishing details of expenditures and expenditures.
3. Responsible for collection and docking of contributions of all members of the MA branch.
4. Assist logistical support for funding and material coordination of various activities of the MA branch.

Documentation Storage

To ensure that all documents are accessible to future officers, all important chapter

documents, pictures, and forms are stored on a QQ group (similar to Google Drive community) . This enables officers to create and share documents with ease among other officers and members.

Officer Transitions

A meeting was held between the outgoing and incoming officers to discuss roles and responsibilities of each of the positions. Outgoing officers were asked to outline the basic tasks that their position requires, and incoming officers were given the opportunity to ask any questions regarding the position. New ideas or suggestions were also exchanged among officers to help further grow the chapter. Additionally, incoming officers were asked to attend the last month of executive meetings to understand how meetings are run.

Recruitment Activities

The MA WUT Chapter always has an active recruitment process and encourages undergraduates and graduates to join Material Advantage. Officers are sent every semester to talk to students in the introduction materials science classes.

Treasury

MA WUT Chapter Fund

Most of the events students get involved in are funded and sponsored by MA WUT Chapter Fund, which is administrated by the current treasurer. The International School of Materials Science and Engineering grants funds to Chapter on an irregular basis.

Advisor Letter

Letter 1

May 31, 2018

To whom it may concern :

Supported by International School of Materials Science and Engineering (ISMSE) in Wuhan University of Technology (WUT), which has been authorized by “Network of International Centers for Education (NICE) Programme” in China, Material Advantage WUT Chapter, one of the 101 chapters of MATERIAL ADVANTAGE, pursuing cultivating top-notch innovative talents, through cooperation and competition with students in Materials Science and Engineering from all over the world. Moreover, we would like to stimulate the students’ interest in Materials Science and Engineering, strengthen their sense of innovation, elevate their international vision, create scientific and technological innovation cultural atmosphere, and increase the global reputation for Wuhan University of Technology.

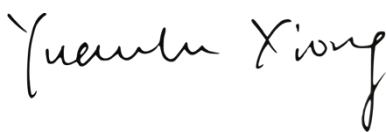
Under this vision, since the establishment of Material Advantage WUT Chapter in 2016, we are making great efforts to keep our chapter active with fast development that more and more undergraduates from both International School of Materials Science and Engineering (ISMSE) and traditional School of Materials Science and Engineering participate to serve our community. In the past year 2017-2018, we have continued our success and more featured activities have been created under the spirit of teamwork and leadership of our faculty advisors, industrial advisor and students administrative team.

We will keep going and look forward to continuous exciting creativities that Material Advantage WUT Chapter will bring about for the next year.

MA WUT Chapter Advisors:



Fei Chen



Yuanlu Xiong



Chen Dai

Letter 2

May 31, 2018

To whom it may concern :

I am writing this letter in strong support of the Wuhan University of Technology's (WUT's) Material Advantage Chapter for the Chapter of Excellence Nomination.

WUT's Material Advantage chapter has the unique distinction of being the first to be officially recognized in China. As such, its formation has inspired other universities throughout China to also create additional Material Advantage chapters, which is an important advance for the materials science and engineering community in China. Chinese students (particularly undergraduates) have never before been connected by a professional society that engages them technically, and helps them to engage professionally with the broader materials science community. Furthermore, it offers the students the chance to participate in meaningful, collaborative relationships with other like minded individuals. These opportunities are often rare for Chinese students, and it begins to open new doors for further engagement. WUT's Material Advantage is also administered by a group of undergraduate students, which provides them with valuable leadership experience. Unlike in other academic settings, clubs and professional societies are not common in Chinese universities, so student leadership is especially impressive.

WUT's Material Advantage is a very active club that has several ongoing activities that are described in greater depth in their annual report; I would like to highlight 4 key activities that positively impact the community around them. The first activity is the M-Vision lecture series that WUT's Material Advantage chapter hosts on a near-monthly basis. This lecture series invites speakers from around the world to discuss with students on a variety of topics, from professionalism to advice about studying abroad for post-graduate education. This is unique and helpful to the broader materials science and engineering student body at WUT because these topics are not usually discussed in any specific venue. The second activity is M-Club, which is a group dedicated to helping students gain confidence in their English speaking and comprehension skills. The group hosts a weekly gathering in a comfortable venue to allow students to practice their English skills. The discussion is often centered around an academic paper, and must be performed in only English. After attending the M-Club sessions, the students' English abilities have markedly improved. The third

activity that I would like to highlight is M-day, a community outreach event that showcases materials science and engineering to the broader Wuhan community. The M-day activities are centered around showing parents, prospective students, and non-materials science and engineering students what the field is, and what it consists of. Activities are interactive, and are often educational to all who participate. M-day activities consist of a comprehensive display and several student competitions including a poster competition, an interpretive skit show, a speech competition, and a mug drop competition. Finally the fourth activity was the attendance of 8 students to the MS&T conference in Pittsburgh, PA. This represented an important step for the undergraduates who traveled to engage with other students and professionals in the materials science and engineering field.

I am personally impressed by the growth and maturity of the WUT Material Advantage chapter. In a relatively short period of time, the chapter's activities have positively impacted many students at WUT on many different levels. I am particularly impressed with the student leadership of the chapter, as this is very atypical for undergraduates in China. As a former Chinese undergraduate student, I can also appreciate the community service that the WUT Material Advantage chapter provides, and see the value of such activities in the context of broader international engagement. Overall, I am proud to be an industrial advisor to this chapter, and look forward to seeing the students grow even more. I strongly believe that the WUT Material Advantage chapter should be rewarded for their efforts through the Chapter of Excellence Award.

Sincerely,



Chen Dai, Ph.D.

VJ Technologies Inc.

WUT MA Chapter Industrial advisor