Sino-US HSME 2019

2019 Sino-US International Conference on Health Sciences and Medical Education

December 8-9, 2019, Wuhan, China

Conference Program Guide

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Part II Detailed Technical Program

Keynote Speech 1

Sunday, December 8, 2019  09:10-9:50

Keynote Address: Collaborative Neurodynamic Optimization Approaches to Nonnegative Matrix Factorization

Speaker:
Prof. Jun Wang
Department of Computer Science and School of Data Science
City University of Hong Kong, Kowloon Tong, Kowloon, Hong Kong

About the Speaker:
Jun Wang is a Chair Professor Computational Intelligence in the Department of Computer Science and School of Data Science at City University of Hong Kong. Prior to this position, he held various academic positions at Dalian University of Technology, Case Western Reserve University, University of North Dakota, and Chinese University of Hong Kong. He also held various short-term visiting positions at USAF Armstrong Laboratory, RIKEN Brain Science Institute, Huazhong University of Science and Technology, and Shanghai Jiao Tong University as a Changjiang Chair Professor, and Dalian University of Technology as a National Thousand-Talent Chair Professor. He received a B.S. degree in electrical engineering and an M.S. degree in systems engineering from Dalian University of Technology, Dalian, China. He received his Ph.D. degree in systems engineering from Case Western Reserve University, Cleveland, Ohio, USA. His current research interests include neural networks and their applications. He published over 170 journal papers, 15 book chapters, 11 edited books, and numerous conference papers in these areas. He is the Editor-in-Chief of the IEEE Transactions on Cybernetics since 2014 and a member of the editorial board of Neural Networks since 2012. He also served as an Associate Editor of the IEEE Transactions on Neural Networks (1999-2009), IEEE Transactions on Cybernetics and its predecessor (2003-2013), and IEEE Transactions on Systems, Man, and Cybernetics – Part C (2002–2005), as a member of the editorial advisory board of International Journal of Neural Systems (2006-2013), as a guest editor of special issues of European Journal of Operational Research (1996), International Journal of Neural Systems (2007), Neurocomputing (2008, 2014), and International Journal of Fuzzy Systems (2010, 2011). He was an organizer of several international conferences such as the General Chair of the 13th International Conference on Neural Information Processing (2006) and the 2008 IEEE World Congress on Computational Intelligence, and a Program Chair of the IEEE International Conference on Systems, Man, and Cybernetics (2012). He has been an IEEE Computational Intelligence Society Distinguished Lecturer (2010-2012, 2014-2016). In addition, he served as President of Asia Pacific Neural Network Assembly (APNNA) in 2006 and many organizations such as IEEE Fellow Committee (2011-2012); IEEE Computational Intelligence Society Awards Committee (2008, 2012, 2014), IEEE Systems, Man, and Cybernetics Society Board of Directors (2013-2015), He is an IEEE Fellow, IAPR Fellow, and a recipient of an IEEE Transactions on Neural Networks Outstanding Paper Award and APNNA Outstanding Achievement Award in 2011, Natural Science Awards from Shanghai Municipal Government (2009) and Ministry of Education of China (2011), and Neural Networks Pioneer Award from IEEE Computational Intelligence Society (2014), among others.
Abstract:
Nonnegative matrix factorization (NMF) is an advanced method for nonnegative feature extraction, with widespread applications. However, the NMF solution often entails to solve a global optimization problem with a nonconvex objective function and a nonnegativity constraint. To tackle this challenging problem, I will present a collaborative neurodynamic optimization approach by employing a population of recurrent neural networks (RNNs) at the lower level and particle swarm optimization (PSO) with wavelet mutation at the upper level. The RNNs act as search agents carrying out precise constrained local searches according to their neurodynamic equations and initial conditions. The PSO algorithm coordinates and guides the RNNs with updated initial states toward global optimal solution(s). A wavelet mutation operator is added in the optimization to enhance PSO exploration capability. Through iterative interaction and improvement of the locally best solutions of RNNs and global best positions of the whole population, the population-based neurodynamic systems is almost sure to achieve the global optimality for the NMF problem. The convergence of the group best state to the global optimal solution with probability one is proven. The experimental results substantiate the efficacy and superiority of the collaborative neurodynamic optimization approach to bound-constrained global optimization with several benchmark nonconvex functions and NMF-based clustering with benchmark datasets in comparison to the state-of-the-art algorithms.
Keynote Address: Popular Rehabilitation Professions and Future Rehabilitation Research in USA

Speaker:
Prof. Yong "Tai" Wang
Dean and Endowed Chair Professor of Lee Roy and Lucy Mathis,
College of Nursing and Health Sciences
The University of Texas at Tyler, TX, 75799, USA

About the Speaker:
Degrees
Ph.D. (9/1991) - Major: Rehabilitative Biomechanics
University of Illinois at Urbana-Champaign, Illinois
Dissertation Title: Relationship between kinematical factors and muscle activity during wheelchair propulsion.

M.A. (8/1988) - Major: Biomechanics; Minor: Computer Science
Ball State University at Muncie, Indiana

M.S. (1/1985) - Major: Exercise Science
Wuhan Institute of Physical Education, Wuhan, China

B.S. (1/1982) - Major: Exercise Science
Wuhan Institute of Physical Education, Wuhan, China

Dr. Wang is a Fellow of American College of Sports Medicine, and a Fellow of Research Consortium, Society of Health and Physical Educators. His research interests focus on biomechanics of rehabilitation, specifically on wheelchair locomotion and rehabilitation for individuals with spinal cord injury, and Tai Chi and Wheelchair Tai Chi for individuals with spinal cord injury and disability. As a PI he has secured approximately one million dollars in external, mainly federal funding to support his research work. Dr. Wang’s research projects have been funded by National Institute on Disability and Rehabilitation Research, Paralyzed Veterans of America, American Association of Retired Persons, Georgia Research Alliance and other private foundations. He has had more than 60 full-length refereed journal publications, more than 90 proceedings and abstracts published in refereed journals and more than 100 presentations at national/international scientific conferences.

Abstract:
This presentation consists of two parts: Popular Rehabilitation Professions and Future Rehabilitation Research in the US.
Part One - Popular Rehabilitation Professions: the discussion in the first Part includes what Rehabilitationis; the Growth of Older Population; and Most Popular Rehabilitation Professions. Rehabilitation is a process of helping a person who has suffered an illness or injury to restore lost skills and so regain maximum self-sufficiency. Because of the growing of older population in the US and Aging adults experience higher risk of chronic disease, the health professions such as Physical Therapy (PT), Occupational Therapy(OT) and Speech Language
Pathology (SLP) in rehabilitation have been become most popular in the US since 2000. Moreover, the education and training, job markets and salaries of PT, OT and SLP, and the roles in current US healthcare system are addressed.

Part Two - Future Rehabilitation Research: The discussion in the second Part includes PhD degree in Rehabilitation Science; Institute for Rehabilitation and Research; and the Trends of Rehabilitation Research. Rehabilitation Science is an interdisciplinary field that focuses on human function and disability. The PhD Program in Rehabilitation Science prepares researchers, educators, and leaders in the area of rehabilitation science to contribute to the development of rehabilitation practice, research, and policy. Institute for Rehabilitation and Research is a model of the combination of research, clinical education and treatment for patients suffered an illness or injury to restore human function and mobility. The discussion of the Trends of Rehabilitation Research covers Multi-Disciplinary Research in Rehabilitation, Increased NIH Research Funding in Rehabilitation, and Bionic Rehabilitation or Bionic Rehabilitology which is defined as the study of applying the concepts of biomechanics, electronics and neuro-control in restoration of human body to a condition of good health, ability to work or above. Bionic Rehabilitology may include bionic limbs (legs, arms and hands), bionic cochlear and bionic eyes. The bright future of Bionic Rehabilitology is unlimited.
Keynote Address: Analysis of Physical Health Status Quo and Causes of Adolescents in China

Speaker:
Prof. Bin Wang
Central China Normal University, Wuhan 430079, China

About the Speaker:
Bin Wang was born in 1971. He received the B.S. degree in Sport Psychology from Wuhan Institute of Physical Education, Wuhan, Hubei, China, in 1993, the M.S. degree in General Psychology from Central China Normal University, Wuhan, Hubei, China, in 1996, and the Ph.D. degree in Applied Psychology from Beijing Sport University, Beijing, China, in 2002.
Since 1996, he has been a Faculty Member in the Department of Sport and Physical Education, Central China Normal University, Wuhan, Hubei, China, where he is currently a professor, postdoctoral cooperative tutor and dean. He was a postdoctoral researcher in Organizational Behavior and Human Resource Management at the Institute of Psychology, Chinese academy of Sciences, Beijing, China, from 2002 to 2004, and a visiting scholar in Organizational Behavior at the Cornell University, United States, from 2006 to 2007. His research interests include Sport Psychology and Sport administration. He has authored or coauthored more than 140 Chinese journal papers and 40 English journal papers, nearly 20 of them were published in authoritative journals and 17 of them were included in SSCI and EI, published 4 monographs, 7 textbooks, 4 knowledge books, and 3 co-translated works.
Prof. Wang’s research has been supported by the Program for New Century Excellent Talents in University, National Natural Science Foundation of China, National Social Science Foundation of China, National Level Projects of China such as the National Education Science Plan, the National Defense Science and Technology Innovation Special Zone of the Military Science and Technology Commission of China, the Provincial and Ministerial Projects such as China Ministry of Education, China Sport General Administration, Hubei Province, China-Canada International Cooperation Project and Chinese Postdoctoral Science Foundation. Currently, Prof. Wang is a member of Program for New Century Excellent Talents in University, Executive Member of Asican Council of Exercise and Sport Science, Standing Committee Member of Sports Psychology Branch, Chinese Society of Sports Science, Committee Member of Sports Psychology Branch, Chinese Psychological Society, Committee Member of the National Sports Vocational Education Teaching Steering of China, a member of the Teaching Steering Committee of the National Sports Vocational Education, Standing Committee of the Sports Psychology Branch of the Chinese Society of Sports Sciences, and a member of the Sports Psychology Professional Committee of the Chinese Psychological Society, Managing Director and Under-Secretary-General for Hubei Sports Science Association, specially invited by Hubei Provincial Government Advisory Committee as expert.

Abstract:

Background: The situation of adolescents' physical health is closely related to the future of the nation and welfare in millions of families. However, the condition of Chinese adolescents’ physical health has decreased year
by year. The national physical health data showed that the number of adolescents with obesity, myopia and poor endurance has gradually increased since 2000. Therefore, the present study attempted to analyze the status quo and influencing factors of adolescents’ physical health, aiming to provide reference for elementary and secondary physical education reformation and improve physical health of adolescents.

Method: In Study 1, 118000 and 36854 adolescents were measured by physical health tests, involving 17 cities of Hubei Province in 2017 and 2018 respectively. The national physical health test included measurement of height, weight, vital capacity, 50 meters race, seating body anteflexion, rope skipping, sit ups, pull ups, fixed long jump and 800/1000 meters race. The original data were transformed into standard scores according to the national standard of students' physical health. In Study 2, 54 interviewees (38 males and 16 females), including 27 adolescents, 3 parents, 21 teachers and 3 leaders, were investigated the influencing factors of adolescents’ physical health.

Result: The results showed that, (a) the overall level of physical health of adolescents in Hubei Province was on the rise, but the rate of excellence was on the decline; (b) the number of obese adolescents continued to rise, and the rate of overweight gradually increased with the increase of the grades; (c) the physical function was on the rise. (d) Except endurance, the other physical fitness’ excellent rate showed a downward trend, and the passing rate showed an upward trend; (e) the influencing factors of physical health included individual, teacher, family, school and society. Moreover, individual factors involved voluntary exercise and peer support, etc, teacher factors included physical education teachers’ professional quality and sports support, etc, family factors contained family support and physical activities, etc, school factors included sports cultural atmosphere and resources, etc, and social factors included community sports environment, physical health policy and testing standards, etc.

Conclusion: The results indicated that the physical health of adolescents needs to be improved in China, which needs the joint efforts of individuals, teachers, families, schools and society.
Keynote Address: Health Science in Sport

Speaker:
Susilo, M.Pd. D.Ed
Doctor of Education, Faculty of Sports Science State University of Jakarta, Indonesia
Scientific Adviser of Global Community Health (GCH), Asst. General Secretary of ACESS
Susilo_777@yahoo.com, susilo@unj.ac.id
Kampus B FIK UNJ, jlnPemuda 10, Rawamangun Indonesia, Phone/Fax: +652893534

About the Speaker:
Susilo, M.Pd. D.Ed was born 22nd March 1973 in West of Java, completed his bachelor degree in 1997 and Master’s Degree in Physical Education in 2001 at State University of Surabaya, and a Doctoral Degree in Physical Education and Training in 2013 at Central China Normal University, China. Precently working as senior lecturer in Department of Physical Education Faculty of Sports Science State University of Jakarta, and foreign affair staff. Since 2011, his is also as Executive Board Member ACESS (http://acessasia.com/Home/Committee). Currently he is assistance secretary General ACESS. He is now developing Sport in sport science faculty state University of Jakarta to be international standard and concern for Physical Education. On May 2015 host International Conference of Physical Education and Sport (ICPESS) as Organizing Committee. He is strongly committed to projects that focus on Physical Education in Indonesia. He has attended academic and professional meetings in more than 15 countries, such as GOFPEP 2014 South Africa, ICPESS 2015 India, 2015, ICSPHW Philippine 2016, GOFPEP 2016 Turkey, ICPESS 2017 Thailand, IPEEC Taiwan 2018, 6th MoHe Conference Malaysia, Highscope Indonesia, Asian Game Conference Philippines 2019. He have Motto “Keep moving Be active be healthy”

Abstract:
To understanding the Health science behind sport and exercise not only enhances the performance of elite athletes, but also helps address some of the world’s greatest societal challenges, such as obesity, physical inactivity, and unhealthy ageing.
Physical activity (PA) is considered an important health-related behavior, which may be related to obesity. Higher levels of PA have been associated with longer life; a lower risk of cardiovascular disease; lower levels of several cancers, stroke, and diabetes; a higher quality of life; better mental health; higher cognitive functioning; and numerous other positive health outcomes. Thus, if the citizens of all nations had optimal levels of PA throughout their adult lives, they would live to be older, healthier, happier, more sentiment, make fewer demands on the health care system, and likely be more productive, a state of affairs desired by many citizens, their employers, and their governments. Through health sciences in sports will provide an excellent contribution in improving the quality of life, improving performance, and productivity in living life
Keynote Speech 5

Sunday, December 8, 2019     13:30-14:10

Keynote Address: Research on the promotion of serious leisure sports behavior among urban occupational population in China

Speaker:
Prof. Fen Qiu
Sports Department, Wuhan University of Technology, China

About the Speaker:
In 2005, she graduated from Central China Normal University with a master's degree in education. In 2008, she graduated from Beijing Sport University of physical education, majoring in sports and human science, and received a doctor's degree in physical education. From 2009 to 2011, she was engaged in research work in postdoctoral research station of East China Normal University. Now she is a teacher in the sports department of Wuhan University of Technology and deputy director of the sports science research institute of Wuhan University of Technology.

At present, she is mainly engaged in the research and teaching of sports psychology and sports organizational behavior, and has obtained many research achievements in this field. She has published more than 20 academic papers in core sports journals such as sports science, journal of Beijing sports university, journal of sports journal and journal of Wuhan sports University. She has presided over the research projects of humanities and social sciences of the ministry of education, the key projects of the “twelfth five-year plan” of the education department of Hubei province, the “eleventh five-year plan” of the education department of Hubei province, and the independent innovation projects of Wuhan University of Technology. The project she participated in, "research on winning psychology of equestrian athletes and scientific and technological breakthrough services", won the third prize of the 7th Hubei excellent achievement award in social sciences, and published three monographs, research on the characteristics of coaches' competence and research on the competence of college PE teachers.

Participated in the compilation of sports organizational behavior, sports psychology, physical education psychology and other books.

Abstract:
Under the social background of improving economic level and shortening working time, it provides time guarantee, economic guarantee and internal drive for professional people to participate in sports activities. At the same time, under the guidance of "healthy China 2030", the state, government and institutions at all levels provide policy support and a certain degree of venue guarantee for people's participation in sports activities. Many people in China are becoming more and more enthusiastic about various deep leisure activities, such as winter swimming activities, regular mountaineering activities, have the shadow of serious leisure. Serious leisure sports behavior refers to sports behavior with serious leisure characteristics, which can produce lasting benefits such as self-realization, self-enrichment, self-satisfaction and social attraction (Stebbins, 2006). Therefore, internalizing people's sports behavior into activities with serious leisure characteristics is conducive to the continuation and lifelong of sports behavior. This study aims to promote the application and research of deep leisure theory in the field of sports and to promote the endogenous motivation of sports behavior through the concept of internalized deep leisure; And to improve the sports behavior promotion mechanism from a new
perspective. It is conducive to the formation of self-disciplined sports behaviors among urban professionals and the improvement of life satisfaction and happiness. It is also conducive to the realization of nationwide fitness and healthy China 2030. Through the literature research, questionnaire survey method and interview method, this study establishes the evaluation standard of serious leisure sports behavior, analyses the formation mechanism for sports participants of serious leisure behavior in urban professional crowd, clarify the limiting factors and flexible strategy for city serious leisure sports behavior of occupational crowd, build the promotion system for serious leisure sports behavior of urban professional people.
Keynote Speech 6

Sunday, December 8, 2019     14:10-14:50

Keynote Address: Aquatic Training for Soldiers

Speaker:
Dr. Ting Liao
Associate Professor, College of Sports Training, Wuhan Sports University
461 Luoyu Road, Wuhan City, Hubei Province, P.R.430079 China

About the Speaker:
Ting Liao is vice director at Swimming Teaching and Research Section in the Sports Training School, Wuhan Sports University. Her current research interests include Aquatic fitness and Rehabilitation, Swimming teaching and training, Strength and conditioning of youth. She published over 30 journal papers, 2 book chapters, 2 edited books, and 40 conference papers in these areas. She received a B.S. degree in Kinesiology, an M.S. degree in Physical education and Ph.D. degree in Strength and Conditioning from Wuhan Sports University, Wuhan, China. She also held various short-term visiting positions at College of Nursing and Health Sciences, The University of Texas at Tyler, TX, USA, College of Kinesiology, Griffith University on the Gold Coast, Queensland, Australia and College of Sports Science, University of British Columbia, Vancouver, Canada. She is the Member of the Board of Directors in Physical Health Promotion Committee in China Sport Science Society, Since 2012. She is the International Class B referee in Lifesaving and the Member of the Professional Instructor Committee in Aquatic Therapy & Rehabilitation Institute (ATRI), Since 2016.

Abstract:
The aquatic training (AT) is the active aquatic exercise doing in the water environment by using the physical features and hydrodynamic characteristics of water serving for injury prevention and fitness promotion for military training worldwide. In order to figuring out how to prevent training injury and enhance the fitness performance is an agent problem for Chinese military training, this lecture will based on the characteristic of military strength and conditioning home and abroad and the requirement of our soldiering demand, the development of AT were presented, the physiological effect, biomechanical characteristics and application consideration of deep water running were analyzed, the possible mechanics for injury prevention, muscle activity and strength gains of aquatic resistance training were discussed, and finally, the adaptive effect and related elements of aquatic adaptation training in ice-cold environment were explored.
### Oral Sessions

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Research on establishing energy consumption prediction equation of college tennis players based on Actigraph GT9X
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Qianyong Fu  E605

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Yanping Wu; Lian Liu  Yanping Wu

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Part III Hotel Information

Wuhan, Hubei Province, China

1. City Profile

Wuhan, the capital city of Hubei Province in central China, is situated on Jianghan Plain, a river-crossed fertile land created by the Hanjiang River joining the Yangtze River. Wuhan is a routine port for a Yangtze River cruise. Divided by the Yangtze, the city is known as the 'Three Towns of Wuhan' with Hankou and Hanyang on the west bank, and Wuchang on the east.

"I like to eat the delicious Re Gan Mian noodles; I like to wear the cotton jacket I bought in Han Zheng Street; I like to live near the flourishing Liuduqiao area; I like to cross each bridge over the Yangtze," writes a Chinese Wuhan resident. From this, you can see the locals' affection on this charming city.

Wuhan is a city with both an ancient history and a thriving present. Historic relics excavated from ancient tombs tell the city's long history dating back 3,500 years. In the period of Pre-Qin (770 B.C. - 221 B.C.), this was the land of the State of Chu (one of the seven warring states before Qin, in China's first feudal dynasty) and was the cradle of the brilliant Chu Civilization. Starting here, merchants followed the great Yangtze River and lake network to expand businesses throughout the entire country.

In the Qing Dynasty, Hankou became one of the four best-known towns in the country. For centuries, this city has been the center of trade and transportation in central China. Today it is an important hub in central China and a feature of Yangtze River cruises for sightseers and businessmen traveling from Sichuan to Shanghai or Hong Kong.

Wuhan is the place to find both history and natural wonders. Hubei Provincial Museum and Yellow Crane Tower are two places to appreciate ancient Chinese history and culture. In the museum, chimes excavated from tombs reveal the incredible achievements of ancient people in music, acoustics and metallurgy. The classic poems and inscriptions on the tower, (although unrecognizable to most Westerners) can inspire your spirit as you pretend to be a poet with a bird's-eye view of the river from the tower window. In addition, the famous Villa of Chairman Mao Zedong on the scenic bank of East Lake, Wuchang, is an ideal place for Westerns to learn more about him.
Two famous places for local Wuhan snacks are Ji Qing Jie night street and Hu Bu Xiang breakfast street. Ji Qing Jie features all kinds of special foods plus entertainment at table by classical folk musicians. Snacks tops on travelers' list include Re Gan Mian, Steamed Wuchang Fish and Fried Bean Sheets. Street stalls in Hu Bu Xiang support the local habit of Guo Zao (having breakfast at street stalls with their cheap tasty food and vendors' skillful performance). Benefited from rivers around, Wuhan Cuisine earns its reputation especially from fish. Chinese Chairman Mao Zedong in his poem wrote: "I have just drunk the waters of Changsha Come to eat the fish of Wuchang." Streamed Wuchang Fish is a must for epicures.

As Wuhan has a subtropical monsoon climate with four distinct seasons, the ideal months to visit are from March to April and from September to October. Thus you avoid the scorching summer heat of July and August with 40 C (104 F) heat, and the cold winter period from November to late January with its severe cold. The festival periods such as the Wuhan International Tourist Festival (Late September-Mid October), Plum Blossom Festival (February-March) are the highly recommended times to visit the East Lake Scenic Area.

2. Hotel & Conference Venue

**Wanda Reign Wuhan**

The Wanda Reign Wuhan (Wanda Ruihua Jiudian) is situated in the beautiful East Lake scenic area. Downtown Wuhan and Wuhan Railway Station are about a 15-minute drive away respectively. This deluxe Wanda hotel offers free parking and Wi-Fi access in public areas. Dining options include Chinese, Japanese and Western foods. With seven function rooms and a 1,500 sqm (16145 sq ft) banquet hall, this Wuhan hotel is equipped for handling small to large scale events, conferences and banquets. When you get some free time, make sure to pay a visit to the bar, relax in the sauna or take a dip in the indoor pool. Those with a workout regime to uphold can maintain it at the gym.
Address: 138 Donghu Road (Donghu Lu), Wuchang District, Wuhan, Hubei Province, China
Website: http://en.wandareign-hotel.cn/

Contact:
Tel: 86 27 5959 9999 or 86 15972931228 (Manager Wang)
Fax: 86 27 5950 0000
Email: james.wang@wandahotels.com

Note: HSME 2019 will be held as scheduled at the hotel. The committee doesn’t provide hotel booking service, so please do it yourself in advance.

Map

3. Travel Guide

Yellow Crane Tower

Yellow Crane Tower is located on Snake Hill in Wuhan, Hubei Province. Enjoying the fame of 'The First Scenery under Heaven', it is one of the most renowned towers south of the Yangtze River. Its cultural significance led to its being made the symbol of Wuhan City.

According to legend, Yellow Crane Tower was built by the family of an old pothouse owner living in Wuhan City long ago, named Old Xin. One day, a shabbily dressed Taoist priest came to the pothouse and asked for some wine. Old Xin paid no attention to him, but his son was very kind and
gave the Taoist some wine without asking for money. The Taoist priest visited the pothouse regularly for half a year when one day the Taoist said to the son that in order to repay his kindness, he would like to draw a crane on the wall of the pothouse, which would dance at his request. When people in the city heard of this, they flocked to the pothouse to see the dancing crane. The Xin family soon became rich and they built the Yellow Crane Tower as a symbol of gratitude to the Taoist priest.

The tower had different architectural features in different dynasties. However, the tower which stands today is based on the one designed during the Qing Dynasty. It stands 51.4 meters (about 168 feet) high and has five floors. The appearance of the tower is the same regardless of the direction it is viewed from. The roof is covered by 100,000 yellow glazed tiles. With yellow upturned eaves, each floor seems to have been designed to resemble a yellow crane spreading its wings to fly.

The Yellow Crane Tower offers visitors an abundance of things to see. The exhibit on each floor has a theme, for example, the theme of the first floor is about legend. On the wall, there is a nine-meter (about 30 feet) long and six-meter (about 20 feet) wide painted porcelain picture which depicts clouds, rivers and cranes to represent a romantic mood in the heaven. The third floor mainly shows poems written to praise the tower in different dynasties. On top of the tower, visitors are treated to a fabulous panoramic view of the Yangtze River, its bridge and the surrounding buildings in Wuhan City. Outside the tower, there are bronze yellow cranes, memorial gateways and pavilions.

East Lake Scenic Area

East Lake, the biggest scenery tourist attraction in Wuhan and also the largest lake within a city in China, is located on the south bank of the Yangtze River and in the east suburb of Wuchang. It covers an area of 87 square kilometers (33 square kilometers of water area) that is five times greater than the area of the West Lake in Hangzhou. Because of its winding banks and crisscrossing ponds and brooks, it is called 'a lake with 99 bays'. The East Lake Scenic Area was formed from many famous scenic spots along the bank. The six major ones are Tingtao (Listening to Surging Waves),
Mo Hill (Millstone Hill), Luoyan (Diving Wild Goose), Baima (White Horse), Chuidi (Playing Flutes), and Luohong Hills.

Among the six scenic areas, Tingtao and Mo Hill scenic areas are the most two notable and are open to visitors. The East Lake gate opens to the Tingtao scenic area featuring the rare sequoia especially elegant in late autumn. The Listening-to-the-Waves Tower (Tingtao Xuan), with its classic elegance is one of the famous buildings in this area, along with Land of Water and Cloud (Shuiyun Xiang) which serves as a teahouse, and the Tingtao Inn of Wine, a restaurant offering local fish dishes. On the north, the center of this area, is the Poetry-Reciting Pavilion (Xingyinge), built for memorizing works of Qu Yuan, the great patriotic poet of the State of Chu (one of the seven warring states before Qin (221BC-206BC) in China's first feudal dynasty). Many exhibits about Qu Yuan are featured in this building including his great literary masterpieces. In addition, the first allegory sculpture park in China is here displaying wonderful sculpture and allegories.

Characterized by beautiful landscape, abundant plants, the customs of the State of Chu and unique gardens, the Mo Hill Scenic Area attracts many tourists. In this area, the Chu cultural theme park displays the Chu culture in China. The Botanical Viewing Garden where more than 360 kinds of plants are nursed in 13 special gardens with flowers blooming all the year round - orchids and cherry blossoms in spring, lotus in summer, osmanthus in autumn, and plum blossoms in winter - is also admirable. Two of the most famous are the Cherry Blossom Garden said to be one of the world's three cherry blossom capitals along with Hirosaki in Japan and Washington in America, and the Plum Blossom Garden which is listed as the top plum garden. For more details about Mo Hill, please click Mo Hill.

East Lake Greenway. The East Lake Greenway is located in the East Lake Scenic Area of Wuhan City. The East Lake Greenway, connected to the five scenic spots of East Lake: Moshan, Tingtao, Luoyan, Yuguang and Yujiahu. The Greenway is made up of Huzhong Road, Hushan Road, Moshan Road and Jiaoye Road. East Lake has beautiful scenery and a long history of habitation. Qu Yuan, Chu Zhuangwang, Mao Zedong and other famous people have all visited East Lake Scenic Area.
武汉，湖北省，中国

1. 城市概况

武汉，简称“汉”，现为湖北省省会，华中地区最大都市及中心城市，中国长江中下游特大城市。世界第三大河长江及其最长支流汉江横贯市区，将武汉一分为三，形成了武昌、汉口、汉阳三镇隔江鼎立的格局。唐朝诗人李白在此写下“黄鹤楼中吹玉笛，江城五月落梅花”，因此武汉自古又称“江城”。武汉是长江中下游地区重要的产业城市和经济中心，是中国重要的文化教育中心之一，也是中国重要的交通枢纽。截至2018年末，武汉市常住人口1108.1万人，比2017年末增加18.81万人。

武汉其行政区划沿革非常具有历史特色，可以说是从明代直到辛亥革命乃至中华人民共和国成立历史的一个缩影。武汉可以看作两市（汉口、武昌）一县（汉阳）的合并（故有“武汉三镇”之说）。其中汉口和武昌从明朝后期起就是发展成相当规模的城市。在1927年到1949年，这三地分别对应着汉口特别市（过去的直辖市）、武昌市（湖北省省会）和汉阳县。1927年，国民政府迁都武汉，首次将汉口、武昌、汉阳合并为京兆区，总称武汉，开三镇合并先河。目前，武汉三镇已基本形成汉口商业贸易、武昌文化教育和汉阳工业制造的功能格局。

武汉是中国古代繁华的商埠，近代民主革命的中心，保存着十分丰富的历史文化遗产，形成了独特的方言“汉腔”。武汉更是中华民国的诞生地、国民政府的“首都”，著名的武昌起义便发生在武汉市武昌区。全市有命名古迹339处、革命纪念地103处，国家、省、市三级重点文物保护单位169处，其中国家重点文物保护单位4处：盘龙城商朝遗址、辛亥革命首义军政府旧址、中共“八七会议”旧址和武汉国民政府旧址。武汉二七纪念馆、武昌中央农民运动讲习所旧址纪念馆和辛亥革命武昌起义纪念馆等被列为“全国百个爱国主义教育示范基地”之一。

武汉属北亚热带季风性湿润气候，有雨量充沛、日照充足、夏季酷热、冬季寒冷的特点。一般年均气温15.8℃-17.5℃，一年中，1月平均气温最低，0.4℃；7、8月平均气温最高，28.7℃。夏季极长达135天，因武汉地处北纬30度，夏季正午太阳高度可达38°，又地处内陆，距海洋远，地形如盆地故集热容易散热难，河湖多故夜晚水汽多，加上城市热岛效应和伏旱时副高控制，十分闷热，是中国火炉城市之一，夏天普遍高于37℃，极端最高气温44.5℃。
武汉是中国高铁客运专线网的重要枢纽，中国四大铁路枢纽、六大铁路客运中心、四大机车检修基地之一，是京广高铁、沪汉蓉铁路两条国家级高速铁路大动脉的交汇地。2013 年，武汉铁路客运量首次超越北京、广州，达到 1.2 亿人次，居全国第一，成为中国铁路运输的最大中转站。

武汉是中国四大科教中心城市之一。截至 2018 年底，武汉有普通高校 84 所，全年在校研究生 13.8 万人。武汉每年举办的常规赛事有 WTA 超五巡回赛的武汉网球公开赛（2014 至 2028 年）、中国沙滩排球巡回赛总决赛等，同时也是 2007 年女足世界杯、2010 年世界男排联赛、2012 年汤尤杯羽毛球赛、第六届全国城市运动会、第九届世界乒乓球锦标赛及第二十六届男篮亚锦赛等国际国内大赛的举办地。2019 年，第七届世界军人运动会将在武汉举办。

武汉饮食，可谓一早一晚，过早和宵夜最为经典，有“早尝户部巷，夜吃吉庆街”之美谈。武汉菜秉承湖北菜系风格，汇聚东西南北精华，菜品丰富多样，又自成特色，是著名的“美食之都”。

武汉特色小吃有热干面、三鲜豆皮、面窝、米粑、豆丝、欢喜坨、鸭脖子、武昌鱼、排骨藕汤、洪山菜薹炒腊肉、糍粑等。

2. 酒店信息

武汉万达瑞华酒店

武汉万达瑞华酒店位于武汉中央文化区——楚河汉街，是万达酒店及度假村投资并管理的首家奢华酒店。

酒店拥有 413 间宽大客房和套房，为您打造舒适且富有独特文化魅力的尊贵下榻之所。以珍稀的新西兰优质羊毛毡和美国 TALALAY 乳胶手工精琢而成的“万达瑞华之床”将奉上奢华的睡眠体验。所有客房均配备互动电视、雀巢 Nespresso 胶囊咖啡机，可电子成像猫眼、智能灯光系统、电子坐便器等高科技设施，欧舒丹或爱马仕的洗护用品，以及个性化定制小酒吧，都完美地诠释了奢华入住体验的真谛。

酒店的数间餐厅和酒廊为您奉上城中最顶级的美味佳肴和至尊服务。配备了顶级视听设备的无廊柱式大宴会厅，面积为 1500 平米，以及其他不同规模的 7 间多功能会议室，是各种大型会议和宴会的首选场所。设施齐全的健身中心、室内恒温游泳池、高品质桑拿室和静谧瑜伽室，将为宾客带来全新的娱乐休闲体验。

名仕会是城中独一无二的豪华私人会所，独享的私人厨师和私密的专属空间，定为您奉上国际顶级会所服务，尽享您的会所之旅。

地址：湖北省武汉市武昌区水果湖街东湖路 138 号，楚河汉街靠近水果湖端
网址：http://www.wandareign-hotel.cn/map.html
联系方式:
Tel: 86 27 5959 9999 or 15972931228(王经理)
Fax: 86 27 5950 0000
Email: james.wang@wandahotels.com

注意：HSME 2019 会议将如期在酒店召开，并请自行预定房间，会务组不提供酒店预订服务。

3. 旅游指南
黄鹤楼

黄鹤楼位于武汉市蛇山的黄鹤矶头，面对鹦鹉洲，与湖南岳阳楼、江西滕王阁、山东蓬莱阁合称中国四大名楼，号称“天下江山第一楼”。相传始建于三国时期，历代屡毁屡建。现楼为1981年重建，以清代“同治楼”为原型设计。楼址仍在蛇山头。主楼高49米，共五层，攒尖顶，层层飞檐，四望如一。底层外檐柱对径为30米，中部大厅正面墙设大片浮雕，表现出了历代有关黄鹤楼的神话传说；三层设夹层回廊，陈列有关诗词书画；二、三层外有四面回廊，可供游人远眺；五层为瞭望厅，可在此观赏大江景色；附属建筑有仙枣亭、石照亭、黄鹤归来小景等。黄鹤楼是闻名中外的名胜古迹，它雄踞长江之滨，蛇山之首，背倚万株林立的武昌
城，面临汹涌浩荡的扬子江，相对古雅清俊晴川阁，刚好位于长江和京广线的交叉处，即东西水路与南北陆路的交汇点上。登上黄鹤楼武汉三镇的旖旎风光历历在目，辽阔神州的锦绣山河也遥遥在望。由于这独特的地理位置，以及前人流传至今的诗词、文赋、楹联、匾额、摩岩石刻和民间故事，使黄鹤楼成为山川与人文景观相互倚重的文化名楼，素来享有“天下绝景”和“天下江山第一楼”的美誉。

黄鹤楼始建于三国时期吴黄武二年（公元223年），传说是为了军事目的而建，孙权为实现“以武治国而昌”（“武昌”的名称由此而得），在形势险要的夏口城即今天的武昌城西南面朝长江处，修筑了历史上最早的黄鹤楼。黄鹤楼在群雄纷争，战火连绵的三国时期，只是夏口城一角瞭望守戍的“军事楼”，晋灭东吴以后，三国归于一统，该楼在失去其军事价值的同时，随着江夏城的发展，逐步演变成为官商行旅“游必于是”、“宴必于是”的观赏楼。至唐朝，其军事性质逐渐演变为著名的名胜景点，历代文人墨客到此游览，留下不少脍炙人口的诗篇。

唐代诗人崔颢一首“昔人已乘黄鹤去，此地空余黄鹤楼。黄鹤一去不复返，白云千载空悠悠，晴川历历汉阳树，芳草萋萋鹦鹉洲。日暮乡关何处是，烟波江上使人愁。”已成为千古绝唱，更使黄鹤楼名声大噪。而李白的《与史郎中钦听黄鹤楼上吹笛》“一为迁客去长沙，西望长安不见家。黄鹤楼中吹玉笛，江城五月落梅花”更是为武汉“江城”的美誉奠定了基础。

至唐永泰元年（公元765年）黄鹤楼已具规模，使不少江夏名士“游必于是，宴必于是”。然而兵火频繁，黄鹤楼屡建屡废。最后一座“清楼”建于同治七年（公元1868年），毁于光绪十年（公元1884年），此后近百年未曾重修。黄鹤楼的形制自创建以来，各朝皆不相同，但都显得高古雄浑，极富个性。与岳阳楼、滕王阁相比，黄鹤楼的平面设计为四边套八边形，谓之“四面八方”。这些数字透露出古建筑文化中数目的象征和伦理表意功能。从楼的纵向看各层排檐与楼名直接有关，形如黄鹤，展翅欲飞。整座楼的雄浑之中又不失精巧，富于变化的韵味和美感。

关于黄鹤楼的得名，有“因山”、“因仙”两种说法。“因仙”一说曾有仙人驾鹤经此，遂以得名。一说是曾有道士在此地辛氏酒店的墙上画一只会跳舞的黄鹤，店家生意因此大为兴隆。十年后道士重来，用笛声招下黄鹤，乘鹤飞去，辛氏遂出资建楼。这些神话传说很有意思，也很动人，但都不是黄鹤楼楼名真正的由来。历代的考证都认为，黄鹤楼的名字是因为它建在黄鹄山上而取的。古代的“鹄”与“鹤”二字一字之转，互为通用，故名“黄鹄楼”。因山得名的说法为黄鹤楼得名奠定了地理学基石，因仙得名的说法却令赏楼者插上了纵横八极的想象翅膀，满足了人们的求美情志和精神超越需求。两种说法各具功能，以往并行不悖，相得益彰，今后必将彼此映照，共存于永久。

东湖景区

武汉东湖风景区位于湖北省武汉市中心城区，是国家5A级旅游景区、全国文明风景旅游区示范点、首批国家重点风景名胜区。毛泽东一生钟爱东湖，将其称为“白云黄鹤的地方”。景区面积73平方公里，其中湖面面积33平方公里，是中国第二大的城中湖。加上沿湖陆地风景区，面积达八十平方公里。东湖湖岸曲折，港汊交错，素有九十九湾之说。东湖风景区景观景点100多处。12个大大小小湖泊，120多个岛渚星罗，112公里湖岸线曲折，环湖34座山峰绵延起伏，10000余亩山林林木葱郁。武汉东湖风景
东湖绿道：全长28.7公里的东湖绿道目前已全线贯通。绿道串联起东湖的磨山、听涛、落雁三大景区，将打造湖中道、湖山道、磨山道、郊野道4条主题绿道以及4处门户景观、8大景观节点。对于健身爱好者，无论是健步、骑
行还是比赛，东湖绿道都想得很周到，东湖绿道的湖中道和湖山道是按照国际自行车赛道来设计建设的。车道全是用车级沥青铺成，在东湖东岸绿道，还有段模拟专业级赛道，与三环线平行，体验与汽车竞速追逐的感觉。

对夜跑族来说，东湖绿道有一段 600 米长的荧光夜道。无论是健身跑步还是散步至此，就像走在《阿凡达》的荧光森林中一样。
Part IV Instructions for Presentations

Oral Presentation

Devices Provided by the Conference Organizer:

- Laptops (with MS-Office & Adobe Reader)
- Projectors & Screen
- Laser Sticks

Materials Provided by the Presenters:

- PowerPoint or PDF files

Duration of each Presentation (Tentatively):

- Regular Oral Session: about 15 Minutes of Presentation, 5 Minutes of Q&A
- Keynote Speech: 40 Minutes of Presentation, 10 Minutes of Q&A
Part V  Contact Us

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