INTERNATIONAL SUMMER SCHOOL

COMPUTING FOR FUTURE, INTELLIGENCE FOR SUCCESS

July 3, 2023 - July 20, 2023

Harbin Institute of Technology, Harbin, P.R. China

I. INTRODUCTION TO INTERNATIONAL SUMMER SCHOOL OF FACULTY OF COMPUTING

Artificial intelligence(AI) is increasingly becoming the core technology leading the new round of technological revolution and industrial change, and the application scenarios in manufacturing, finance, education, healthcare and transportation come to reality, greatly changing the established production and life style. The Faculty of Computing of HIT(HIT-FoC) has privilege in the field of AI and intelligent interconnection in China, and has a profound teaching and research foundation in related fields. AI of HIT-FoC embodies the achievements of more than 60 years of professional development of computer professionals, carries decades of research results of computer application technology. In order to meet the requirements of the development of era and rely on the disciplinary advantages, HIT-FoC intends to host the 7th International Summer School “Computing for Future, Intelligence for Success”.

2023 International Summer School welcomes undergraduates of HIT, C9/E9 universities and international partner universities. Based on the experience of previous International Summer School, HIT aims to enrich and refine the outstanding traditions, closely follow the requirements and objectives of cultivating talents in basic disciplines, highlight the distinctive theme of AI, design teaching sessions with progressive knowledge and ability enhancement, led by teaching courses AI field, interspersed with cutting-edge lectures to broaden international vision, organize theoretical and practical research, and comprehensively improve students' practical ability.

II. Admission Requirements

2023 International Summer School is open to sophomore and junior undergraduates of related majors(computer science and technology, software engineering, Internet of Things, big data, AI, information security, bio informatics, communication engineering, automatic control, electrical engineering, etc.) from overseas partner institutions and well-known universities in China. Since the course is taught in English, it requires strong English listening and speaking skills.

III. Teaching Arrangement of International Summer School

- **Teaching Schedule**

Arrangements	Lecturers	Universities	Course	Credit	Credit Hour
Course Arrangement (Select One from Two)	Gaurav Sharma	University of Rochester	Graphical Models and Probabilistic Inference	1	16
	Francesco Amigoni	Polytechnic University of Milan	Multi-Agent and Multi-Robot Systems	1	16

- **Technical Lectures**

Academic frontier lectures by internationally renowned scholars and discipline leaders of our academic department and renowned teachers, and two lectures on modern technology by domestic well-known enterprise professionals are arranged to allow students to broaden their breadth of knowledge and to appreciate frontier technology.

Program Contents	Faculty in Charge	Credit	Credit Hour
Academic Frontier Lectures (Four Sessions)	Domestic and foreign renowned scholars Leaders of FoC	0.5	8

Modern Technology Lectures (Two Sessions)	Corporate Mentors	0.5	8

- **PROJECT PRACTICE**

Arrangements	Lecturer	Course	Credit	Credit Hour
Project Research (Students can choose either one)	Senior Science and Innovation Instructor	Multiple topics depending on the number of students	1	1 week

CONTACT INFORMATION

Please contact Guan Yujing at guanyj@hit.edu.cn(E-mail).