



VM 450 Design and Manufacturing III
VE 450 Major Design Experience

UM-SJTU Joint Institute, Summer 2019

Design Review #1, Summer 2019

Oral Presentation Schedule & Room Assignment
June 10, 2019

Team No.	Project Title	Time	Room	Judges
1	Baiyulan#1-Telemedicine in One Belt One Road Region	2:00pm-2:10pm	Dong Zhong Yuan 4-302	Prof. Yunlong Guo Prof. Pradeep Ray TA: Ping Li
2	DataPipeline#1-Anomaly Detection on Large Streaming Data	2:10pm-2:20pm		
3	DeepMag#3-Controllable rotary design of fixed-point suspension equipment	2:20pm-2:30pm		
4	Foxconn#1-AI Enabled Facility Management & Control System (FMCS) for Factories	2:30pm-2:40pm		
5	Foxconn#2-Machine Tool Condition Monitoring and Life Cycle Management	2:40pm-2:50pm		
6	Foxconn#3-Non-intrusive Condition Monitoring System for Rotating Machineries	2:50pm-3:00pm		
7	Foxconn#4-Geolocation based services for better employee experience and HR management	3:00pm-3:10pm		
8	Giti#1-Chatbot for Design System	3:10pm-3:20pm		
9	Giti#2-Shared Component Retrieval System	3:20pm-3:30pm		
10	GM#1-Automatic recognition of graphic	3:30pm-3:40pm		
11	HASCO VISION#1-Pre-research of emotion recognition based on deep learning	3:40pm-3:50pm		
12	Giti#3-Profile Extraction of Tire-2D Section Images with different backgrounds	2:00pm-2:10pm	Dong Zhong Yuan 4-304	Prof. Chengbin Ma Dr. Mingjian Li TA: Shiyao Ma
13	HASCO VISION#3-Pre-research on the clearing of distant small targets based on deep learning	2:10pm-2:20pm		
14	Midea#3-Breast Milk Storage Structure	2:20pm-2:30pm		
15	HJ Drive Inc#1-Camera integration and analysis for autonomous driving system	2:30pm-2:40pm		

16	Intel#2-Edge computing deployment framework for AIOT (Artificial Intelligent of Things)	2:40pm-2:50pm		
17	HJ Drive Inc#5-Study of the effect of IQ (image quality) on the object detection algorithm basing on the deep learning	2:50pm-3:00pm		
18	Intel#3-360-degree video live cast on IA	3:00pm-3:10pm		
19	Intel#4-Smart Software-Defined Cities Blueprint for Akraino	3:10pm-3:20pm		
20	Intel#5-Simplify X86 Assembler and Disassembler development with CGEN	3:20pm-3:30pm		
21	Panasonic#1-Pedestrian counting system based on depth camera	3:30pm-3:40pm		
22	VMware#1-Multiple Tenancy Support of Business Process Management Platform	3:40pm-3:50pm	Dong Zhong Yuan 4-306	Prof. Yong Long Prof. Chong Han TA: Junxiang Zhang
23	WECAN#1-Advanced development on state-of-art robots	2:00pm-2:10pm		
24	JI#1-Dr. Shane Johnson-Improved Alignment and Control Algorithms for Reconfigurable Manufacturing of Orthoses with Machine Learning	2:10pm-2:20pm		
25	JI#2-Dr. Xudong Wang-Acoustic Signaling Based Touchscreen Design and Implementation	2:20pm-2:30pm		
26	JI#3-Dr. Pradeep Ray-mHealth (Healthcare using Mobile Phones) for Primary Care	2:30pm-2:40pm		
27	JI#5-Dr. Shouhang Bo-Accelerated Materials Discovery via automated high-throughput synthesis	2:40pm-2:50pm		
28	JI#6-Dr. Manuel Charlemagne-Private and Secure Dating System	2:50pm-3:00pm		
29	JI#7-Dr. Jaehyung Ju-Digital Light Projection (DLP) based 3D Printer	3:00pm-3:10pm		
30	DiDi#1-Supply and Demand Forecast for Online Ride Hailing	3:10pm-3:20pm		
31	DiDi#2-Traffic State Estimation and Prediction with Vehicle Trajectory Data	3:20pm-3:30pm		
32	Midea#1-Convenient refrigerated storage shelves	3:30pm-3:40pm		
33	SJTU#1-FPGA accelerated neural network inferencing in Tensorflow	3:40pm-3:50pm		

Notes: (1) 7 minutes for presentation, 2 minutes for Q&A, and 1 minute for transition.

(2) Dress code: business formal, ref:

<https://jingyan.baidu.com/album/46650658384b5bf549e5f884.html?picindex=3>