



**VM 450 Design and Manufacturing III**  
**VE 450 Major Design Experience**

UM-SJTU Joint Institute, Fall 2019

Design Review #2, Fall 2019, Oct.30

**Oral Presentation Schedule & Room Assignment**

Team No.	Project Title	Time	Room	Judges
1	GUI Test Automation by Image Recognition	4:00pm-4:10pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
2	Research and Implementation of Video Dewarping and Mosaic for multi-Camera System	4:10pm-4:20pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
3	Develop VR view by images	4:20pm-4:30pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
4	Scalable Automated AI for IT Operations	4:30pm-4:40pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
5	Deep Learning Foundation in FFmpeg	4:40pm-4:50pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
6	Cloud gaming based on Akraino ICN Edge Stack	4:50pm-5:00pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
7	Depth camera based gesture cryptosystem	5:00pm-5:10pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
8	Multi-source Transportation Data Mining for Improving Ride-hailing User Experience	5:10pm-5:20pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
9	Traffic State Estimation and Prediction with Vehicle Trajectory Data	5:20pm-5:30pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
10	AR-Enabled Gesture Control of Robotic Arm I	5:30pm-5:40pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
11	AR-Enabled Gesture Control of Robotic Arm II	5:40pm-5:50pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu
12	Groundwater Salinity Monitoring System	5:50pm-6:00pm	D311	Prof. Yunlong Guo Prof. Chengbin Ma TA: Jiawen Xu

<b>13</b>	Development of a Direct Ink Writing (DIW) Based 3D printer	<b>4:00pm-4:10pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>14</b>	Ray-Robot for Elderly	<b>4:10pm-4:20pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>15</b>	Body Thermal Management System - a “Live” Suit	<b>4:20pm-4:30pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>16</b>	A High Voltage Power Module with Integrated Monitoring	<b>4:30pm-4:40pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>17</b>	Intelligent Integrated Testing System	<b>4:40pm-4:50pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>18</b>	BookShelf-Mobile App for vOSE	<b>4:50pm-5:00pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>19</b>	Tides-Elastic Platform on Idle Cloud Resources	<b>5:00pm-5:10pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>20</b>	Six-degree-of-freedom Fixed Magnetic Levitation Device	<b>5:10pm-5:20pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>21</b>	Attractive Magnetic Levitation Device with Large Air Gap	<b>5:20pm-5:30pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>22</b>	Refrigerator Child Look Design	<b>5:30pm-5:40pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>23</b>	Refrigerated variable temperature zone design	<b>5:40pm-5:50pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye
<b>24</b>	Smart Data Centers: Patrolling Robot Improving Operations	<b>5:50pm-6:00pm</b>	D309	Prof. Mian Li Prof. Yong Long TA: Siwei Ye

Notes: seven-minutes for presentation, three-minutes for Q&A.