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| **2022 Meeting Minutes** |
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| Purpose of meeting | Decision on joint research projects between Taiwan Tech (National Taiwan University of Science and Technology) and CTU (Czech Technical University in Prague) |
| Date | September 7, 2022 Wednesday |
| Time | 15:00 Taiwan Time (9:00 Czech time) |
| Information | * Software：Microsoft Teams
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| Attendees | Czech Technical University in Prague1. Prof. Skvor, Vice-rector
2. Dr. Holý, Vice-rector
3. Prof. Hlaváč, Czech Institute of Informatics, Robotics and Cybernetics, CTU
4. Prof. Hájek, Civil Engineering Faculty
5. Prof. Roubík, Biomedical Engineering Faculty

National Taiwan University of Science and Technology1. Prof. Ai-Ho Liao(Vice Dean, Office of Research & Development)
2. Prof. Chuan-Kai Yang(Vice Dean, School of Management)
3. Prof. Jen-Wei Hsieh(Vice Dean, College of Electrical Engineering and Computer Science)
4. Prof. Meng-Yi Bai(Director, Graduate Institute of Biomedical Engineering)
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| **Decisions: Approved projects and funding allocation** |
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| NO | PI (CTU) | Division/Department | PI (Taiwan Tech) | Division/Department | Taiwan Tech research group budget(NTD) | CTU research group budget(CZK) | Title of research |
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| CTU-TAIWAN TECH-2022-01 | Stanislav Vítek | Department of Radio Engineering | Jenq-Shiou Leu呂政修 | Dept. of Electronic and Computer Engineering | 200,000 | 200,000 | Ultra-Wideband based Indoor Localization for Mobile Robotics in the LOS/NLOS En vironment Using Deep Learning |
| CTU-TAIWAN TECH-2022-02 | Vitezslav Jerabek | Department of Microelectronics | San-Liang Lee李三良 | Dept. of Electronic and Computer Engineering | 200,000 | 200,000 | Realization of silicon nanophotonic active optical waveguide and circuits with rare earth ion implantation |
| CTU-TAIWAN TECH-2022-03 | Zdenek Becvar | Department of Telecomunication Eng. | Ray-Guang Cheng鄭瑞光 | Dept. of Electronic and Computer Engineering | 200,000 | 200,000 | Energy efficient radio resource management for UAVs |
| CTU-TAIWAN TECH-2022-04 | David Mares | Department of Microelectronics | Wei-Nien Su蘇威年 | Graduate Institute of Applied Science and Technology | 200,000 | 200,000 | Surface and Waveguide Enhancement Raman Spectroscopy (SERS and WERS) for detecting trace cortisol in saliva |
| CTU-TAIWAN TECH-2022-05 | Ondrej Pribyl | Transportation Sciences | Shuo-Yan Chou周碩彥 | The Centre for Internet of Things Innovation | 200,000 | 200,000 | Smart transport platform as system of collaborative services |
| CTU-TAIWAN TECH-2022-06 | Patrik Kutilek | Department of Health Care and Population Protection | Yi-Jia Lin林儀佳 | Institute of Biomedical Engineering | 200,000 | 200,000 | Perspective methods of movement assessment for telerehabilitation based on wearable sensors |

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