Curriculum Vitae

Name: Ts. Gary Loh Chee Wyai

List of Research:

Internal Grant

1. Development of a Web Portal on Indegenious Plant in Sarawak for Cultural Preservation and Awareness Creation

2. Service Learning Program for the Community Bawang Assan, Sibu and Machan, Kanowit in Collaboration with Cornell University

3. Sustainable natural Environment for Empurau Fish Farming

External Grant

1. Digital Inclusion Policy Literacy (DIPL) for Bridging Internet Coverage Gaps in Malaysian Borneo (Malaysia) (Association for Progressive Communications (APC), South Africa) - 5th July 2021 - 6th July 2022

2. An Impact Study of Pusat Internet Komuniti (PIK) and their Role in the Digital Inclusion of Community within the Pusat Perumahan Rakyat (PPR) Residences (MCMC) – July – Dec 2021

3. Behavioural Analytics and Real-time Tracking of Patients Using IoT and RFID (Asia Pacific Telecommunity (APT)) – Jan 2020 – Dec 2021

List of Consultancy:

1. Masterplan for the Damai Peninsular Area (PKM Projek Konsultant Sdn Bhd) - Mac 2021 - Dec 2021

2. Feasibility study for proposed Paloh shipbuilding area: Telecommunications & ICT Specialist (PKM Projek Konsultant Sdn Bhd) - July 2020 - Dec 2021

3. Agro-Biz Consultation and Training for Agro-Based Industry Entrepreneurs & Pusat Latihan Industri Asas Tani (PL-IAT) Training (MANRED) - October 2020

4. SHARE Project – Development of Azure Cloud for oneM2M IoT platform (Asia Pacific Telecommunity (APT)) – Jan 2019 – Dec 2020

5. Sibu Water Board: Project 'Key Focus Activity' (KFA) Hybrid MOU dan LAS – Sistem Amaran Awal Tekanan Air Rendah - July - Dec 2019

List of Publications:

1. Gary Loh Chee Wyai, WaiShiang Cheah, Sim Keng Wai, Muhammad Asyraf bin Khairuddin. Modelling Human Decision in Fire Evacuation Simulation through BDI Based Cognitive Architecture. Solid State Technology, Volume: 63 Issue: 2s. Publication Year: 2020

2. Gary Loh Chee Wyai, WaiShiang Cheah, Nurfauza Jali. Agent-Oriented Methodology for Designing 3D Animated Characters. Journal of Telecommunication and computer engineering (JTEC-MySEC2017 Special Issue Vol.9 No.3-3, p153-p158).

3. Co-Author by Loh Chee Wyai and et. al. Ideating New Data-Driven Industries Using Open Data Platforms: A Research Report On Young Asian Innovators. (2019) ISBN: 978-967-2298-07-6

4. Nancy B, Gary L, Razi B et al (2021) A Case Study: Broadband over Power Line for Rural Area Development in Sarawak. In: 7th International Conference on Renewable Energy Technologies (ICRET 2021), Malaysia.

5. Gary Loh Chee Wyai, Bakri Madon, Yurchenko Andrii. Development of Sarawak Encryption Standard (SES) to secure Sarawak Digital Economy infrastructure and enable ubiquitous deployment of IoT devices and solutions. Proceeding of 2019 International Conference on Data and Software Engineering (ICoDSE 2019), Pontianak, West Kalimantan, Indonesia.

6. Gary Loh Chee Wyai, Cheah WaiShiang, Muhammad Asraf bin Khairuddin, Chen Chwen Jen, From A Shared Single Display Application to Shared Virtual Space Learning Application. Proceeding of 6th International Conference on Computational Science and Technology (ICCST2019), Kota Kinabalu, Malaysia.

7. Gary Loh Chee Wyai, Cheah WaiShiang, Shane Nissom. Transforming mathematical model into agent-oriented model and simulation through requirement engineering: A preliminary result. Proceeding of 9th Knowledge Management International Conference 2018 (KMICe), Miri, Malaysia.

8. Gary Loh Chee Wyai, WaiShiang Cheah, Nurfauza Jali. Agent-Oriented Methodology for Designing 3D Animated Characters (August 2017). Proceeding of The 10th Malaysian Software Engineering Conference (MySEC2017), Universiti Malaysia Terengganu, Malaysia.

9. Gary Loh Chee Wyai, Shane Nissom, Cheah WaiShiang, Nurfauza Jali. Agent Oriented Methodology for Malaria Transmission Modelling and Simulation. Proceeding of 6th International Conference on Computing and Informatics 2017 (ICOCI 2017), KLIA, Malaysia.

List of Awards:

1. Best Oral Award (UCTS 2nd Postgraduate Colloquium 2021: Collective Participatory Elements That Generate Values from Community-Based Co-Design (CBCD) Model for Developing Sustainable Digital Solution) – 2021

2. Best Paper Presenter (2020 ICRET Conference: A Case Study: Broadband Over Powerline for Rural Area Deployment in Sarawak) – 2021

3. eBario Special Award (Majlis Anugerah Gemilang UNIMAS) - 2017