

演講訊息

講者：**Dr. Yu-Li Huang (Mayo Clinic)**

講題：

Applying Operations Research and

System Engineering Principles to Improve Clinical Practice



時間：12 月 26 日 下午 2:00

地點：陽明交大光復校區管理二館 MB304

Google Meet 視訊連結：<https://meet.google.com/dtv-ozyd-mif>

主辦：運籌與供應鏈研究中心

協辦：工業工程與管理學系、運輸與物流管理學系、資訊管理研究所

演講摘要：

This presentation demonstrates how operation research thinking and system engineering techniques can improve operational efficiency that leads to better service quality, staff satisfaction, and financial gain at Mayo Clinic. Four selected projects will be presented:

- Chemotherapy Patient Scheduling Template Optimization
- Proton Therapy Real-Time Gatekeeper Logic Development
- Transcatheter Aortic Valve Replacement (TAVR) procedure Providers Matching
- Automated Referral Triage System for “Right Three” Appointment Scheduling

講者介紹：

Dr. Yu-Li Huang is a Senior Associate Consultant, Scientific Director for the Applied Operations Research program, and an Associate Professor of Health Care Systems Engineering at Mayo Clinic. He received his PhD, MSE, and BSE in Industrial and Operations Engineering from the University of Michigan. He joined Mayo Clinic since 2015 and has worked on number of process improvement projects using operations research, data science, and system engineering principles. His research interest focuses on outpatient scheduling redesign and staffing and space utilization optimization to improve patient access to care and treatment quality as well as financial performance. Prior to joining Mayo, Dr. Huang was a faculty member in an Industrial Engineering Department at New Mexico State University, an analyst for an industrial supplier and an engineer in a manufacturing system.