

PROGRAM

N°	TIME	CONTENTS
1	15:00 - 15:05	Introduction
2	15:05 - 15:15	Opening speeches <ul style="list-style-type: none"> - Rep from Uni Transport & Communications (Prof Nguyen Ngoc Long, Rector) - Rep from British Embassy Hanoi - Rep from British Council (Ms Donna McGowan, Director) - Rep from Middlesex Uni (Prof Balbir Barn, Dean)
3	15:15 - 15:20	Photo session
4	15:20 - 15:40	Summary of the Newton Fund IL project “Digital Twin Model for Structural Health Monitoring” <ul style="list-style-type: none"> - Prof Huan Nguyen, London Digital Twin Research Centre, UK - Dr Bui Tien Thanh, UTC, VN
5	15:40 - 16:00	Talk 1: Development of machine learning Digital Twin for damage detection and structural health monitoring <ul style="list-style-type: none"> - Dr Dang Viet Hung, London Digital Twin Research Centre, UK - Prof. Huan Nguyen, London Digital Twin Research Centre, UK - Dr Mohsin Raza, Edge Hill University, UK
6	16:00 - 16:20	Talk 2: Vibration based optical strain measurements of the physical twin model on the KW51 high speed train steel truss bridge <ul style="list-style-type: none"> - Prof. Guido Guido De Roeck, KU Leuven, Belgium
7	16:20 - 16:40	Demo 1: <ul style="list-style-type: none"> - Live stream, data capturing and monitoring from Thang Long bridge, UTC team - Cloud based Digital Twin, Dr Dang Viet Hung
8	16:40 - 17:00	Demo 2: Digital Twin for Industry 4.0 <ul style="list-style-type: none"> - Dr. Ramona Trestian, William Davis, Stefan Mihai, London Digital Twin Research Centre, UK
9	17:00 - 17:20	Talk 3: Damage Detection for Structures, <ul style="list-style-type: none"> - Ghent University
10	17:20 - 17:40	Discussion
10	17:40 - 17:45	Conclusions