

WORK SPACE

SHOWCASE

THE COOPER UNION ANNUAL STUDENT EXHIBITION ACADEMIC YEAR 16/17

MAY 22 THROUGH JUNE 10

LOBBY

CARBON ACTION PLAN [ME]
COOPER MOTORSPORTS [ME]
FLOW VISUALIZATION: HIGHLIGHTS [PH]*
INVENTION FACTORY [ID]*
STEEL BRIDGE [CE]*

ROOM 101

A LABORATORY INVESTIGATION OF THE MEMBRANE
BEHAVIOR OF THIN CONCRETE PLATES
REINFORCED WITH WELDED WIRE FABRIC
SUBJECTED TO DYNAMIC LOADING FOR USE
IN BUILDING FAÇADE APPLICATIONS [CE]
ANIMA [EE]*
AUTOMATIC DETECTION OF SOLAR PANELS
IN SATELLITE IMAGERY [EE]
CHEM-E CAR: LEMON AID [CHE]
COFFEE CAN RADAR [EE]
HAPTICS IN ROBOTICS [ME]
LOW-COST PROSTHESIS [ID]
LOW-COST YEAST MICROMANIPULATOR [ME]
MAPPING VALUES TO PROJECTIONS IN THE SPATIAL
DOMAIN VIA THE APPLICATION OF LATENT DIRICHLET
ALLOCATION TO TEXT DATA FROM THE TIME DOMAIN
[EE/ART]
MOBILE MARKET STAND [ME]*
NEST+M AUDITORIUM ACOUSTICS ANALYSIS
& TREATMENT [ME]
SUPER SMASH BROS. MELEE AI - MAKING IT MORE
HUMAN [EE]
TEXT-TO-BRAILLE & TEXT-TO-AUDIO TRANSLATOR [ME]*

ROOM 104

1 GHZ PLL [EE]
ADVERSARIAL AUTOENCODER FOR FONT GENERATION
[EE]
ANALOG SCOPE TV [EE]
AUTOENCODER SOUND EFFECTS [EE]
COMPUTER DETECTION OF SERRATED ADENOMAS
IN COLON BIOPSIES [EE]
EVALUATION OF THE STABILITY OF KIMBERLY-CLARK
AND PROCTER & GAMBLE USING A MODIFIED
SAFE MODEL [CHE]
INCORPORATING PHYSICAL COMPUTATIONAL METHODS
IN SOLVING FINANCIAL ENGINEERING MODELS [PH]
LIVING WITH THE LAND [EE]
OPTIMAL PATH FOR OVERNIGHT REBALANCING
OF A MODEL CITIBIKE STATION CLUSTER [CHE]
ORIGINAL FONT GENERATION USING CONDITIONAL
WASSERSTEIN GAN WITH GRADIENT PENALTY [EE]
REVERB PARAMETER ESTIMATION [EE]
SUMO ROBOTS [ID]
SUSTAINABILITY OF TRANSCANADA CORP. [CHE]
SUSTAINABLE CITIES [EE]

*VIDEO OF PROJECT IN LOBBY

SPECIAL EVENTS ON MONDAY, MAY 22ND

6:30 PM | STEEL BRIDGE BUILD | LL101

7PM | SUMO ROBOTS COMPETITION | ROSE AUDITORIUM

CE: CIVIL ENGINEERING

CHE: CHEMICAL ENGINEERING

EE: ELECTRICAL ENGINEERING

ID: INTERDISCIPLINARY

ME: MECHANICAL ENGINEERING

PH: PHYSICS