

2022 NCTS Student Workshop on Scientific Computing Schedule

Online Conference

Date: Friday Apr.29,2022

Time	Session
9:30-10:00	<i>Workshop Registration</i>
10:00-10:10	<i>Opening Ceremony</i>
10:10-10:25	Seminar 1: Catheter Segmentation and Misplacement Classification using Deep Learning (黃田宇)
10:25-10:40	Seminar 2: Homotopy continuation in conformal energy minimization (劉書詠)
10:40-10:55	Seminar 3: An entropy-weighted local intensity clustering model for inhomogeneous image segmentation (廖唯廷)
10:55-11:10	Seminar 4: A sparse dictionary learning-based method for image inpainting (蔡承璋)
11:10-11:25	<i>Break</i>
11:25-11:40	Seminar 5: Ellipsoidal Volume-Preserving Parameterizations of 3-Manifolds (劉秀盈)
11:40-11:55	Seminar 6: Application of Optimal Mass Transportation to Medical Image Analysis (廖家緯)
11:55-12:10	Seminar 7: Modified fractional derivative to solve desingularization (高卡納)

Online Meeting Information

Time: 8:45 AM - 5:00 PM Friday, Apr 29 2022

Link: <https://nationaltaiwanuniversity-ksz.my.webex.com/nationaltaiwanuniversity-ksz.my/j.php?MTID=m8c80cfd24daadaefdbf6674f3e9c021b>

Event Website: With Title & Abstract

https://ncts.ntu.edu.tw/events_2_detail.php?nid=338

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Time	Session
12:10-13:30	<i>Lunch Break</i>
13:30-13:45	Seminar 8: A prior feature enhanced network for motion capture (陳育熙)
13:45-14:00	Seminar 9: A study on image stitching with contrast enhancement (謝君彤)
14:00-14:15	Seminar 10: An Introduction to Quantum Computation (呂秉澤)
14:15-14:30	Seminar 11: Based on Vibration Decision Tree Model to Analyze Ship Operating Performance and Detect the Extreme Behavior (涂仁傑)
14:30-14:45	<i>Break</i>
14:45-15:00	Seminar 12: Sparse identification of nonlinear dynamical system (郭昱婕)
15:00-15:15	Seminar 13: Solve PDEs by deep learning method: Physics-informed neural networks (李玉萱)
15:15-15:30	Seminar 14: Non-negative matrix factorization and its application (鄭宜昕)

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