

International Workshop on Bionic Engineering 2024
International Symposium on Nature-Inspired Technology 2024
(IWBE 2024 & ISNIT 2024)

November 10-15, 2024, Sydney, Australia

Program Overview

November 10, 2024 (Sunday)	
14:00-16:00	Board Meeting of ISNIT (K-E15-G048 - Quad G048, John Niland Scientia Building, UNSW)
18:00-22:00	Board Meeting of SMMF (K-E15-G048 - Quad G048, John Niland Scientia Building, UNSW)
November 11, 2024 (Monday) Galleries of the John Niland Scientia Building, UNSW	
9:00-10:00	Registration
10:00-10:15	Opening Address (Chaired by Yue Jiang, Jilin University)
10:05-10:15	Thomas Stegmaier President of ISBE, DITF Denkendorf Eui-Sung Yoon President of ISNIT, Korea Institute of Science and Technology
10:15-10:30	Group Photos
10:30-11:50	Plenary Presentations (Chaired by Hyuneui Lim, Korea Institute of Machinery & Materials)
10:30-11:10	Super-wettability and Beyond — Quantum-confined Superfluid: Biological Energy Conversion, Chemical Reaction and Information Transfer Lei Jiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences
11:10-11:50	Organic Bionics and More! Gordon Wallace University of Wollongong
11:50-13:00	Lunch Break
13:00-14:45	Session 1 Bioinspired structures and materials I
14:45-14:55	Session Break
14:55-16:50	Session 2 Bioinspired surfaces and interfaces I
16:50-17:00	Best Presentation Award
17:30-19:30	Welcome Dinner (The Doncaster Hotel)

November 12, 2024 (Tuesday) Galleries of the John Niland Scientia Building, UNSW	
9:00-10:20	Session 3 Bioinspired surfaces and interfaces II
10:20-10:30	Session Break
10:30-12:15	Session 4 Bionic materials and devices I
12:15-13:20	Lunch Break
13:20-14:45	Session 5 Bionic biomedical engineering I
14:45-14:55	Session Break
14:55-16:30	Session 6 Bionic machinery and motion bionics I
16:30-16:40	Best Presentation Award
November 13, 2024 (Wednesday) Galleries of the John Niland Scientia Building, UNSW	
9:00-10:25	Session 7 Bionic machinery and motion bionics II
10:25-10:35	Session Break
10:35-11:50	Session 8 Bionic materials and devices II
11:50-13:00	Lunch Break
13:00-14:50	Session 9 Bionic biomedical engineering II
14:50-15:00	Session Break
15:00-16:45	Session 10 Bioinspired structures and materials II
16:45-16:55	Best Presentation Award
November 14, 2024 (Thursday) K-G17-G23 - ElecEngG23 – Hybrid, John Niland Scientia Building, UNSW	
09:30-11:30	Panel Meeting on Challenges and Solutions for Biomimicry Commercialization Dr. Thomas Stegmaier, DITF Denkendorf Dr. Gordon Wallace, University of Wollongong Dr. Haeshin Lee, Korea Advanced Institute of Science & Technology Dr. Hyuneui Lim, Korea Institute of Machinery & Materials
11:30-11:40	CLOSING REMARKS (Chaired by Wonjung Kim, Yonsei University)
November 15, 2024 (Friday)	
All Day	Social Program

Session 1 Bioinspired structures and materials I
 Session 2 Bioinspired surfaces and interfaces I
 Session 3 Bioinspired surfaces and interfaces II
 Session 4 Bionic materials and devices I
 Session 5 Bionic biomedical engineering I

Session 6 Bionic machinery and motion bionics I
 Session 7 Bionic machinery and motion bionics II
 Session 8 Bionic materials and devices II
 Session 9 Bionic biomedical engineering II
 Session 10 Bioinspired structures and materials II