



Research Forum  
for Applied Sciences,  
Engineering & Technology

# International Conference on Computer Software, Engineering, Information Technology, Aerospace and Nuclear Engineering (CEAN)

Singapore

September 09-10, 2023

## Agenda at a glance

09: 00 am – 09: 20 am

09: 20 am – 09: 30 am

09:30 am – 09: 45 am

09: 45 am – 10: 00 am

Registration and Reception

Opening ceremony

Welcome Remarks

Tea Break



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**Day 01: Saturday**

**September 09, 2023**

Session 01: 10:00 am – 12:00 pm

Track A: Engineering Technology & Applied Sciences

Presenter Name: Tomoko Takiguchi

Reference ID: *CEAN-SEP23-101*

Paper Title: **Proposal of Pneumatic Drive Active Mattress for Pressure Ulcer Prevention and Transfer**

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Presenter Name: Yuma Adachi

Reference ID: *CEAN-SEP23-102*

Paper Title: **Proposal of Small-sized Six-legged Mobile Robot Using Tetrahedral-shaped Flexible Pneumatic Actuators**

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Presenter Name: Shumpei Yamashita

Reference ID: *CEAN-SEP23-103*

Paper Title: **Proposal of Delay type Multi-legged Pneumatic Drive System Using Soft Actuators with Compressed Choke Device**

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Presenter Name: Shirakura Masataka

Reference ID: *CEAN-SEP23-104*

Paper Title: **Proposal of Dual-Arm type Extension/Bending Mechanism Using Extension Type Flexible Pneumatic Actuators for Rehabilitation Device of Upper Limbs**

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Presenter Name: Shunya Makida

Reference ID: *CEAN-SEP23-105*

Paper Title: **Proposal of Flexible Pneumatic Linear Stepping Actuator with Continuous Pushing/Pulling Mechanism in Bending Motion**

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Presenter Name: Yuto Harada

Reference ID: *CEAN-SEP23-106*

Paper Title: **Proposal of Analytical Model of Flexible Pneumatic Spherical Actuator for Open-looped Attitude Control**

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### *Conference Attendees*

The following scholars/ practitioners/ educationist who don't have any paper presentation, however they will attend the conference as delegates & observers.

Participant Name: Prof. Tetsuya Akagi

Reference ID: CEAN-SEP23-107

Affiliation: Okayama University of Science, 1-1, Ridai-cho, Kita-ku, Okayama, 700-0005, Japan

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Closing Ceremony & Lunch



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**Day 02: Sunday  
September 10, 2023**

Conference second day is reserved for participants own tourism activities.

