Program Schedule

9:00 - 10:00 Registration

10:00 - 10:30 Opening

10:30 - 15:00 Technical Papers (4)

15:00 - 15:45 Lunch

15:45 - 17:10 Technical Papers (5)

17:10 - 18:15 Closing

Session 1 - 1

9:00 - 10:00 Introduction to Design

10:00 - 11:15 Numerical Evaluation of Impact Energy Absorption Design to Realize the Harmonious Coexistence of Humans and Robots

11:15 - 12:20 Design of Compliant Mechanism Fabricated by Additive Manufacturing

12:20 - 14:00 Lunch

14:00 - 15:30 Influence of External Vibration in Radial Direction for Walking Robot with Spherical Outer Shell

15:30 - 16:45 Effect of Structural Parameters on Temperature Distribution of Connecting Rod Design Using a Stress Analysis of Tooth-Trace Gear

Session 2 - 2

9:00 - 10:00 Introduction to Mechanics

10:00 - 11:15 Development of a Walking Assistance Apparatus

11:15 - 12:20 Design of Centrifugal Impeller with Multi-link Systém

12:20 - 14:00 Lunch

14:00 - 15:30 Development of Butterfly-style Flapping Robot

15:30 - 16:45 Proposal of Design Knowledge Management for Global Collaboration Using Geometric Design Vision

Session 3 - 3

9:00 - 10:00 Introduction to Fluid Power

10:00 - 11:15 Redesign and Reproduction of Japanese Oldest Bicycles Developed About 100 Years Ago


12:20 - 14:00 Lunch

14:00 - 15:30 Influence of Waste Edible Oil blending to Waste Plastic Decomposition Oil (Influence of Waste Edible Oil blending to Gas Oil (Experimental Study on Combustion Improvement of Diesel Engine))

15:30 - 16:45 Proposal of Design Knowledge Management for Global Collaboration Using Geometric Design Vision