

MERCon 2020

Moratuwa Engineering Research Conference



Workshop on **BONE FRACTURES, DEFORMITIES AND ENGINEERING**

Share the experience and knowledge from researchers of two ongoing collaborative Research Projects in Biomechanics

Novel spinal orthosis with improved patient compliance to use in treating scoliosis patients



University of Moratuwa



Imperial College London

Optimized external fixators for healing bone fractures and novel bone implant scaffolding



Time	Agenda	Resource Person
1.30 – 1.40 pm	Welcome and Introduction	Dr Pujitha Silva
1.40 – 2.15 pm	Session 1 – Current State of Biomechanics and Medicine in Sri Lanka	Dr Parakrama Dharmaratne
2.15 – 2.50 pm	Session 2 – Pressure Measurement in Prosthetic Sockets (with Q&A)	Prof Alison McGregor
2.50 – 3.25 pm	Session 3 – Affordable external fixators for low income countries (with Q&A)	Dr Giovanni Milandri
3.30 – 4.05 pm	Session 4 - Biodegradable Structures (with Q&A)	Prof Julian Jones / Dr Angelo Karunaratne
4.05 – 4.40 pm	Session 5 - The use of 3D scanners for the design of scoliosis braces (with Q&A)	Dr Inigo Sanz-Pena / Dr Nicholas Newell
4.40 – 5.00 pm	Way forward beyond 2020	Dr Pujitha Silva

Speakers:

Dr. Pujitha Silva
Director, Centre for Biomedical Innovation
Dr Parakrama Dharmaratne
Consultant Orthopedic Surgeon
Professor Alison McGregor
Imperial College London
Dr. Giovanni Milandri
Imperial College London

Professor Julian Jones
Imperial College London
Dr. Angelo Karunaratne
University of Moratuwa
Dr Inigo Sanz-Pena
Imperial College London
Dr Nicholas Newell
Imperial College London



Participation is **FREE** of charge

Register @:

<https://mercon.uom.lk/workshop.html>

WORKSHOP 2

6th International Multidisciplinary Engineering Research Conference

30th
July 2020

University of
Moratuwa,
Sri Lanka

1.30pm
to
5.00pm