

# 1st Materials Research Society of Kenya Conference



**Tuesday, 3 November 2020 - Thursday, 5 November 2020**

## **Scientific Programme**

## **Hard Materials**

Novel discoveries in hard materials industry to solve real world problems. New methodologies in Hardness determination and all hardness dependent properties.

## **Materials for Waste heat recovery**

Novel techniques in thermoelectricity determination. New thermoelectric discoveries in materials. Special methodologies in calculation lattice thermal conductivity/thermal conductivity among others.

## **Photovoltaics**

New methods for generating electric power by using solar cells to convert energy from the sun into a flow of electrons by the photovoltaic effect and any other studies.

## **Ferroelectrics**

Ferroelectricity/multiferroics and Piezoelectric materials. Amazing ferroelectric effects to solve real world problems.

## **Novel 2D materials**

Any 2D related advancements and discoveries. This field remains interesting ever since the discovery of Graphene.

## **Photocatalytic Water Purification**

Energy storage: fuel cells, batteries and supercapacitors