



YOU ARE INVITED to a Workshop to help develop a New Plastic Waste Module for the IMOS Course .

Monday December 9, in parallel with the 2019 AMRS Meeting in Arusha.

The Impact of Materials on Society (IMOS) course is an novel introductory level course for undergraduate students, pioneered at the University of Florida, in partnership with the Materials Research Society, NSF and the Department of Defense. The course is taught at Universities around the world. The course bridges engineering, sociology and humanities. The goal of this workshop is to develop a new module for the class based on "**Plastics Recycling in Developing Communities**".



<https://maziwamakuu.blogspot.com/2017/07/investment-opportunities-in-integrated.html>

IMOS Course Curriculum Objectives:

- Identifying how engineering shapes and is shaped by social and cultural variables,
- Creating more socially literate Engineers
- Encouraging interdisciplinary team-building
- Prepare engineering students to work with experts from different disciplines to address social needs.

The workshop will be an interactive experience where the goal is to create all the materials needed for a new module tentatively entitled "Plastic Waste" to be incorporated into the IMOS class. The module will contain four parts. The first is a science lecture which will examine plastics we use and which ones are recyclable and why. The second part will be to develop a lecture that examines the social challenges experienced by the plastics waste recovery and recycling efforts in Arusha. The third part will be to find videos which discuss future or novel approaches to dealing with plastic waste. The final part is developing a flipped classroom exercise to explore the social challenges associated with implementing a new approach to plastic waste.

Agenda

8:30 – 9:30 am Welcome and Overview of the IMOS module approach to teaching materials science and sociology. Review an example of an IMOS Module. Review the goals of the workshop and start the brainstorming on the approach for each module

9:30-10:30 BREAK

10:30-11:00 Presentation from Arusha Plastics Waste recycling Project

11:00- 12:30 Break into teams and start collecting information for each part

12:30 - 1:30 LUNCH

1:30-2:30 Report back to the group what each group has found with respect to their part

2:30-3:30 Split into groups and pull together your powerpoint slides for each part

3:30-3:45 break

3:45-5:00 Each group presents their part

5:00-5:15 Wrap up

Don't hesitate to contact us if you have any questions.

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