



The SURE Network

SURE

Curriculum Committee Objectives & Working Groups



Science Undergraduate Research Experience

Curriculum Chairperson: Dr. Therese Montgomery, Athlone Institute of Technology,

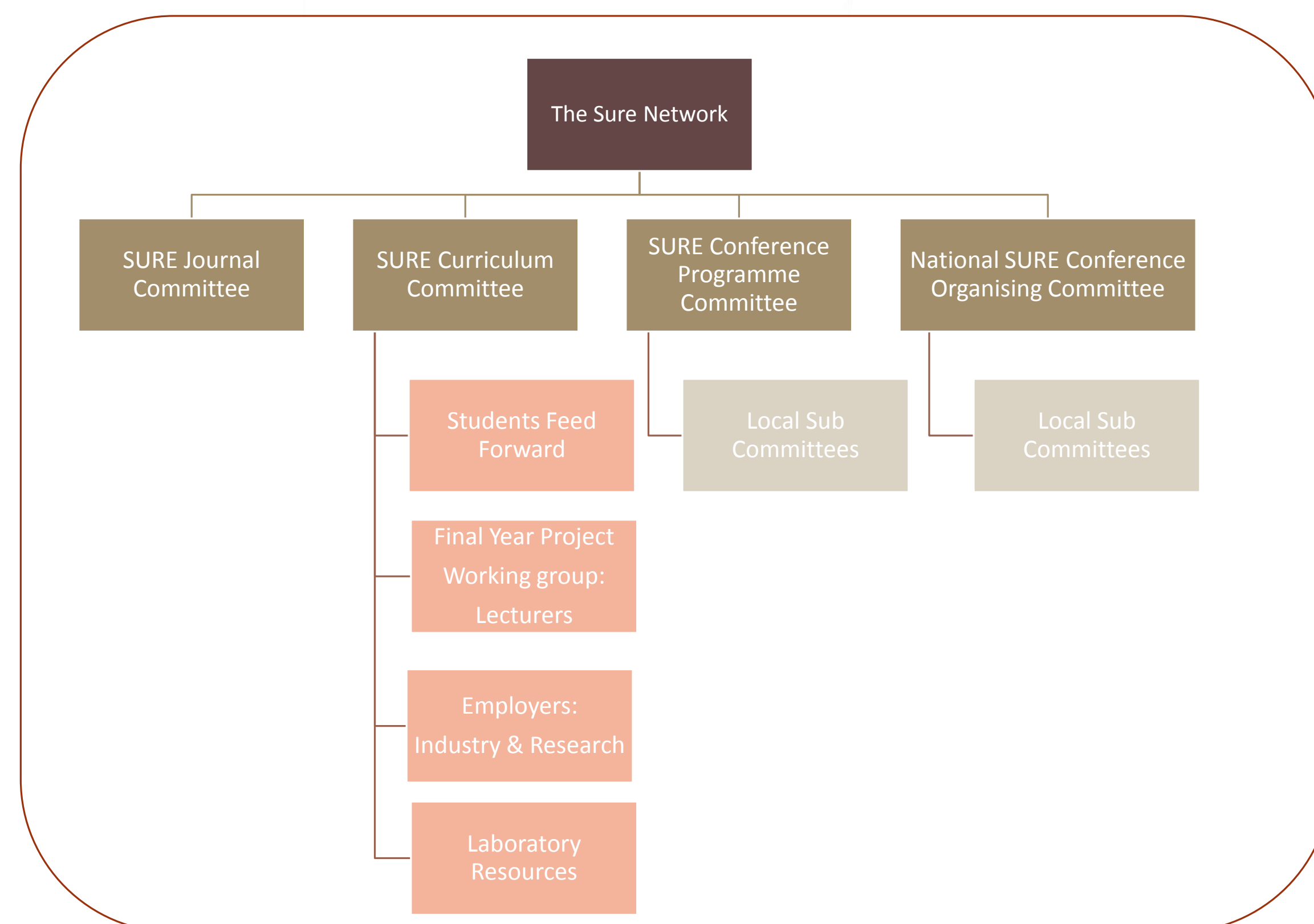
www.sure-network.ie



Background:

The **Science Undergraduate Research Experience (SURE)** Network is an academic partnership, established in 2017 committed to enhancing and promoting undergraduate **research practice** in STEM.

The inaugural **SURE Network conference** ran simultaneously across three SURE Network sites (AIT, TU Dublin City Campus and WIT) in September 2018. Trending under #SURE18, the SURE Network conference was attended by 500+ undergraduate students and academic staff from across Ireland. The second series of conferences will run on **27th September 2019**, in TU Dublin, IT Carlow and IT Sligo. The SURE Network was awarded "Best Academic Partnership" at the 2019 Education Awards and the SURE undergraduate Journal was launched in 2019. The SURE Network is supported by the National Forum for the Enhancement of Teaching and Learning in Higher Education



SURE Curriculum Committee Objectives:

The goal of the SURE Network Curriculum committee is to enhance active research practices in higher education through the establishment of common research initiatives across the IoT/TU sector. There are four project groups within the Curriculum committee, all working towards embedding research skills and critical thinking within the undergraduate STEM Curriculum.

There are four primary objectives:

- To develop models for the integration of the undergraduate conference and the undergraduate journal in the undergraduate curriculum.
- To survey SURE Network members regarding undergraduate research models (e.g. implementation of final year projects, incorporation of research at earlier stages of programme).
- To investigate undergraduate research models being implemented nationally and internationally
- To research and develop models, guidelines and recommendations for undergraduate programme teams where seeking to further integrate research in their curriculum.

Laboratory Shared Resources

Lead: Dr. Karen Finn (GMIT)

Team: ???

Goal: develop online inventory of IoT/ Tu laboratory equipment for cross institutional project development leading to postgraduate research and inter-institutional collaboration

Student Voice

Lead: ???

Team: ???

Goal: survey final year students Pre and post projects

- Identify their concerns, apprehensions, misconceptions, skills acquired, values & reflection

Industry & Research (Employers)

Lead: Dr. Therese Montgomery (AIT)

Team: ??

Goal: survey circulation to Industry – on 4th year project/SURE Network Conference/ market demands

- Data processing and report
- Regional Industry focus groups feeding into national Curriculum Design

Lecturers

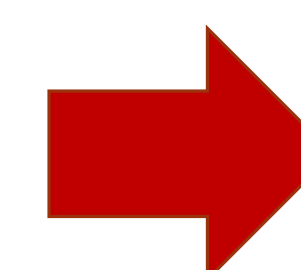
Lead: Dr. Barry Ryan (Tu Dublin)

Team: Dr. AnneMaire O'Brien, Dr. Dina Brazil

Goal: Survey disseminated

- 39 Responses
- Survey re-distributed through network mid Feb

Future: Data analysis & Research project co-ordinators focus group



More information is available on our website at <http://sure-network.ie/>

If you are interested please contact The SURE Network Curriculum Chair, Dr. Therese Montgomery at:

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