State of the LOCOS

September 2023 Wim Vanderbauwhede



School of Computing Science

locos (noun): lunatics

Looking back

Theme activities in the past year

- Learning and teaching
- Research
- Projects
- Outreach
- New members

Learning and teaching

L&T-related activities

• Lauritz became the School's Sustainability Subject Advisor.

• Thanks to Matt (and Derek, and Waqar), the GA became the first UoG programme with Sustainability Aims and ILOs

• Lauritz has now finished the implementation of Aims and ILOs for all of the School's Hons/MSci undergraduate programmes, thanks to Tim, John W and Phil

• More colleagues are incorporating sustainability into their course materials. Ask Lauritz or me if you need advice.

Research

Other research-related activities • Glasgow Carbon-Conscious Computing (GC3) lab

• Anyone else?

Research-related activities

• Last year's seminar series had 16 speakers

• Tim convinced Barclays to fund to Sustainability-related PhDs

 Colin co-organised the 1st IAB/IETF workshop on "Environmental Impact of Internet Applications and Systems"

• Lauritz is leading a LOCOS team on a book chapter "Energy-Aware Workflow Execution"

Projects and DLODOSals

Research projects and proposals

• UKRI DRI Net Zero Scoping Project (Ole, me)

• EPSRC CDT bid "Computing and Electronics for a Sustainable Society" (failed)

• EPSRC call "Research for a digitally enabled circular economy and sustainable digital technologies" (outline stage)

Other projects and proposalsAnyone, anything?

Outreach

Outreach

• Laura and Waqar starred in a media campaign to promote LOCOS, in collaboration with the BCS.

• In total, 30,000 views, 60,000 impressions



Other outreach

• Anyone, anything?

LOCOS lecturers

Lectures in Low Carbon and Sustainable Computing

 Nikela Papadopoulou and Paul Harvey will join the School in the new year, as the School's first lecturers in Low Carbon and Sustainable Computing

Looking forward

Plans

- Finish what we started
- More speakers
- More LOCOS research please
- Thoughts, ideas?

Thank you!