

INTERNATIONAL CONFERENCE ON ENGINEERING AND PRODUCT DESIGN EDUCATION  
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# HOW CAN SOCIAL NETWORK SITES SUPPORT COLLABORATION WITHIN PRODUCT DESIGN EDUCATION?

ROSS BRISCO



DMEM

Design, Manufacture and Engineering Management



Delivering Total Engineering

# Workshop Team

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Please ensure you have signed in on the sheet and consent form.

# Format

Introduction	What are social network sites and how are they being used
Workshop task 1	Challenges
Break	
Workshop Task 2	Solutions
Summary	Including results from our research and 'what we think'
Conclusions	Including contact information
Feedback	Time for questions and completing the feedback form

“Social networks have become increasingly popular with students participating in the global design class for their ease of use, ubiquity and students familiarity with the systems.”

J. Mamo, P. Farrugia, J. Borg, A. Wodehouse, H. Grierson, and A. Kovacevic, “Using Engineering Design Tools in Multidisciplinary Distributed Student Teams,” in *Proceedings of the 17th International Conference on Engineering and Product Design Education (E&PDE15), Great Expectations: Design Teaching, Research & Enterprise*, 2015, pp. 099–104.

# What are Social Network Sites?



Personal  
Communication



Private Photo  
Sharing



Public  
Conversations

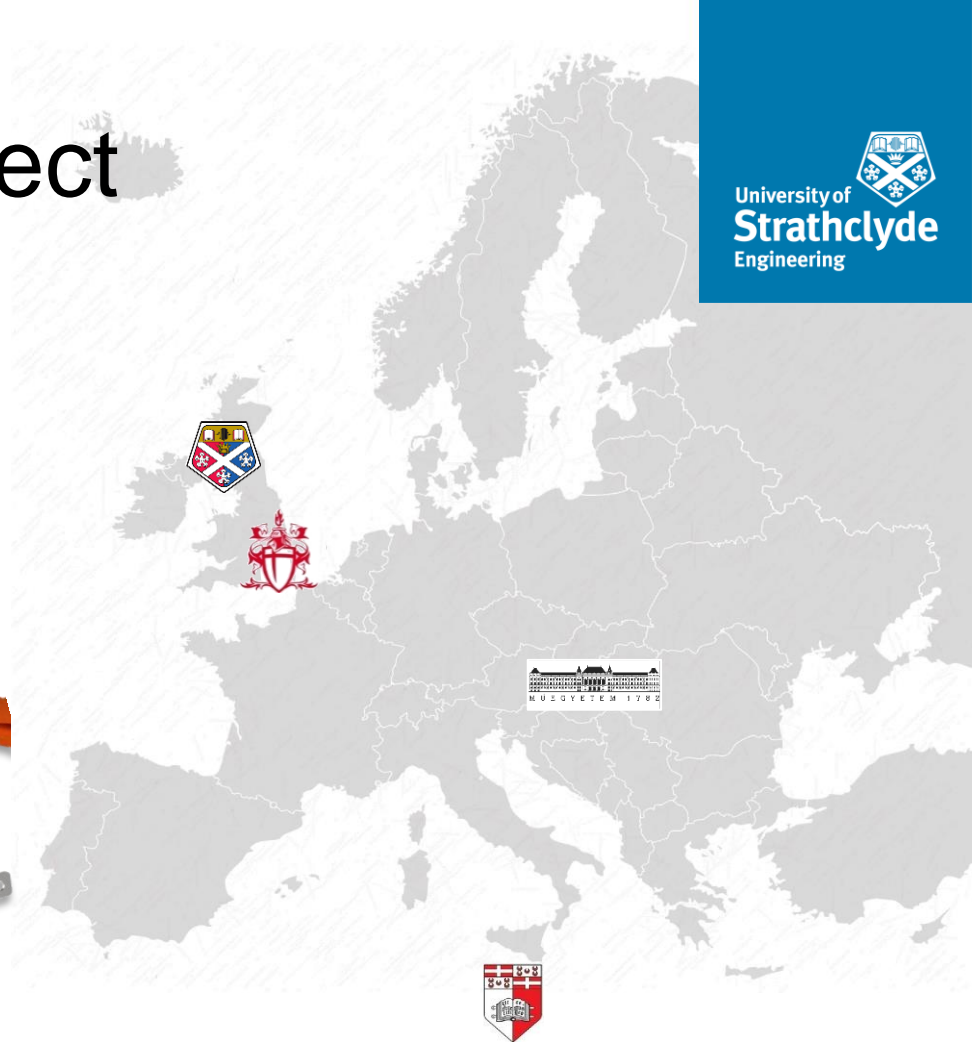
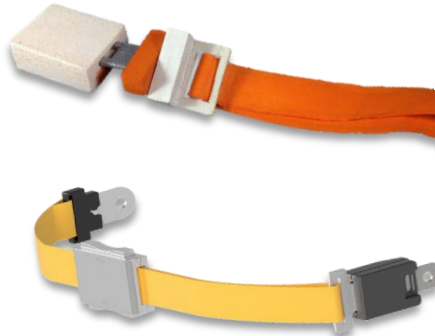
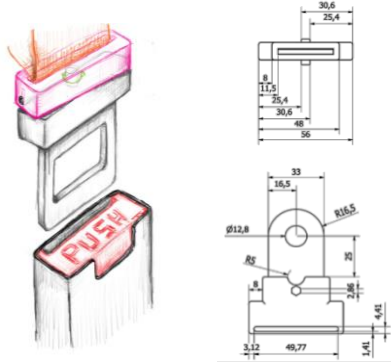
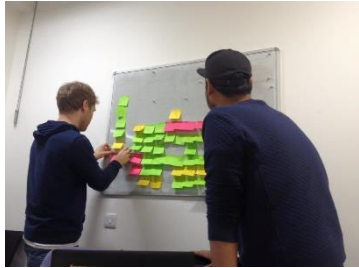


Professional  
Network

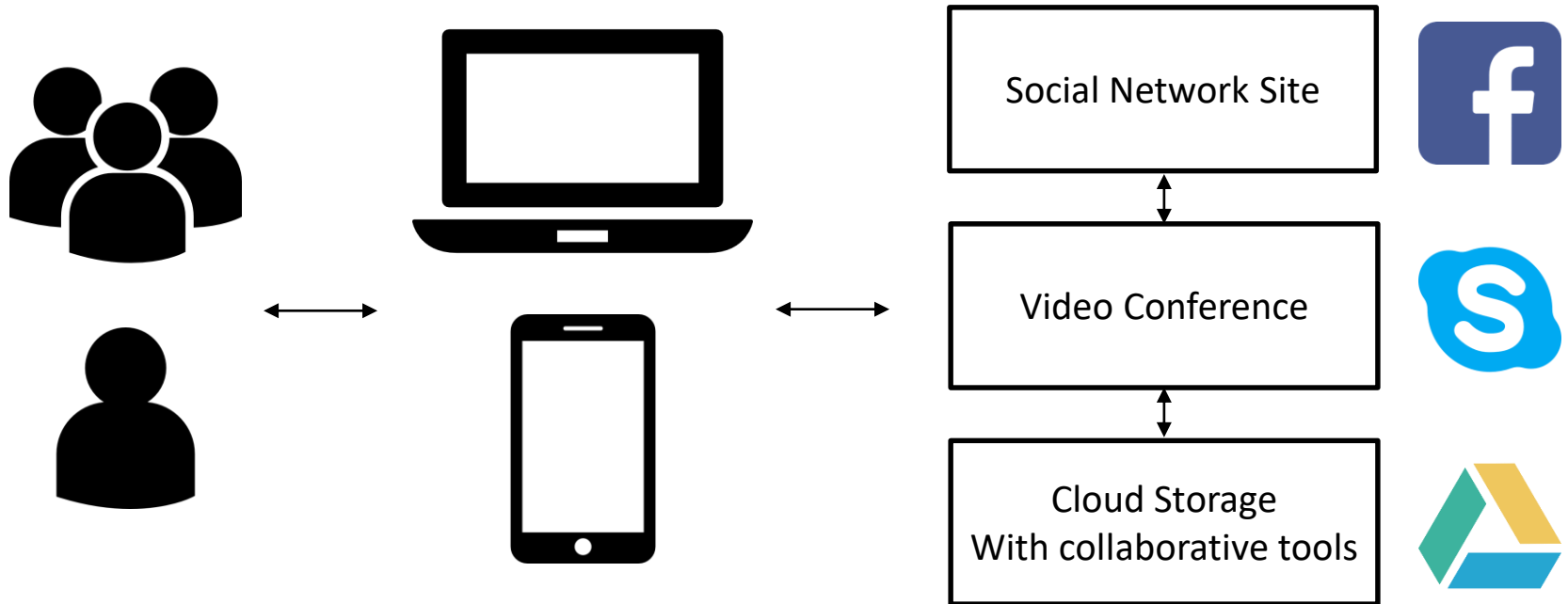


Public Photo  
Sharing

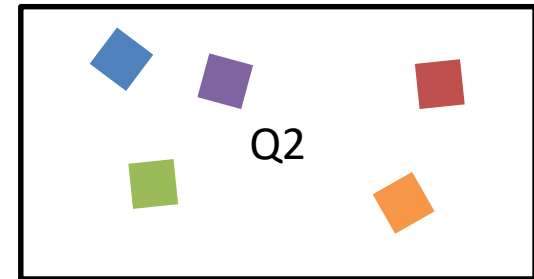
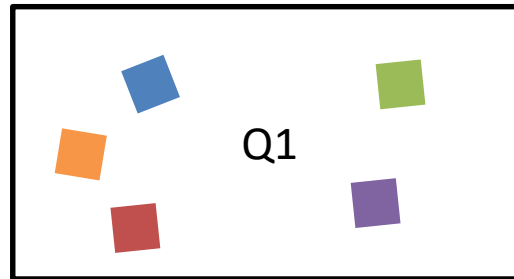
# Global Design Project



# Communication Channels



# Workshop Task





# Question 1

What are the challenges of supporting collaboration in Product Design Education?

Please write these challenges on a **post-it note** and stick it on the flip chart paper.

# Question 1

What are the challenges of supporting collaboration in Product Design Education?

Please discuss the post-it notes in your teams and pick the **three key challenges using the dots to vote.**

# Question 1

What are the challenges of supporting collaboration in Product Design Education?

Share with the room. Please nominate a speaker to  
**share your three key challenges.**

# Break

# Question 2

Which functionality of social network sites can be used to overcome these challenges?

Discuss in your teams and **write these on the flip chart paper.**

# Question 2

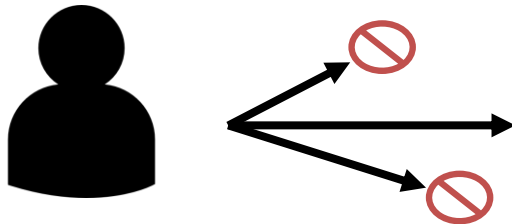
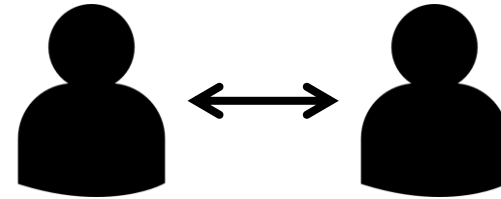
Which functionality of social network sites can be used to overcome these challenges?

Share with the room. Please nominate a speaker to  
**share your solutions.**

# Our Conclusions

# Communication

Students should discuss and test software that will aid global communication before beginning any design tasks.



A single social network platform should be used.



# Communication

Students should use a cloud storage solution.



A video conference tool should be used regularly to simulate face-to-face meetings.

# Communication

All tools (social network, cloud storage and video conferencing) should have fully featured mobile applications.



# Process and Structure

One team member should be assigned the role of minute secretary.



One team member should be assigned the role of communications secretary.

# Presentation

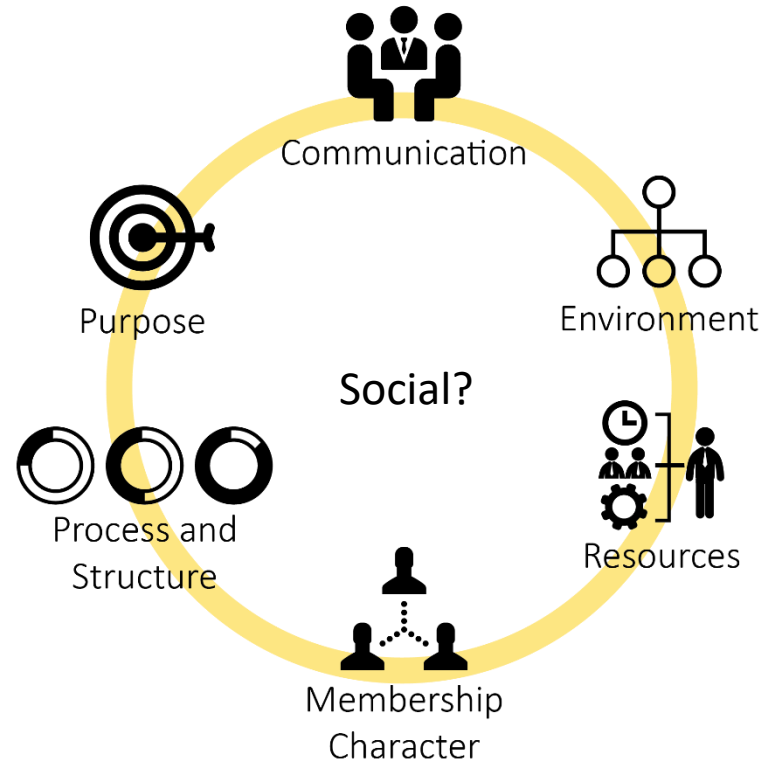
## RECOMMENDATIONS FOR THE USE OF SOCIAL NETWORK SITES AND MOBILE DEVICES IN A COLLABORATIVE ENGINEERING DESIGN PROJECT

Friday 9<sup>th</sup> September 2016

09:10am

J Session: External Collaboration

# Summary



# Thanks for Coming

Please take the time to fill in the questionnaire and feedback form.



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