

Introduction to Collaborative Interaction Mediated by Technology Design



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Summary & Learning goals

SUMMARY:

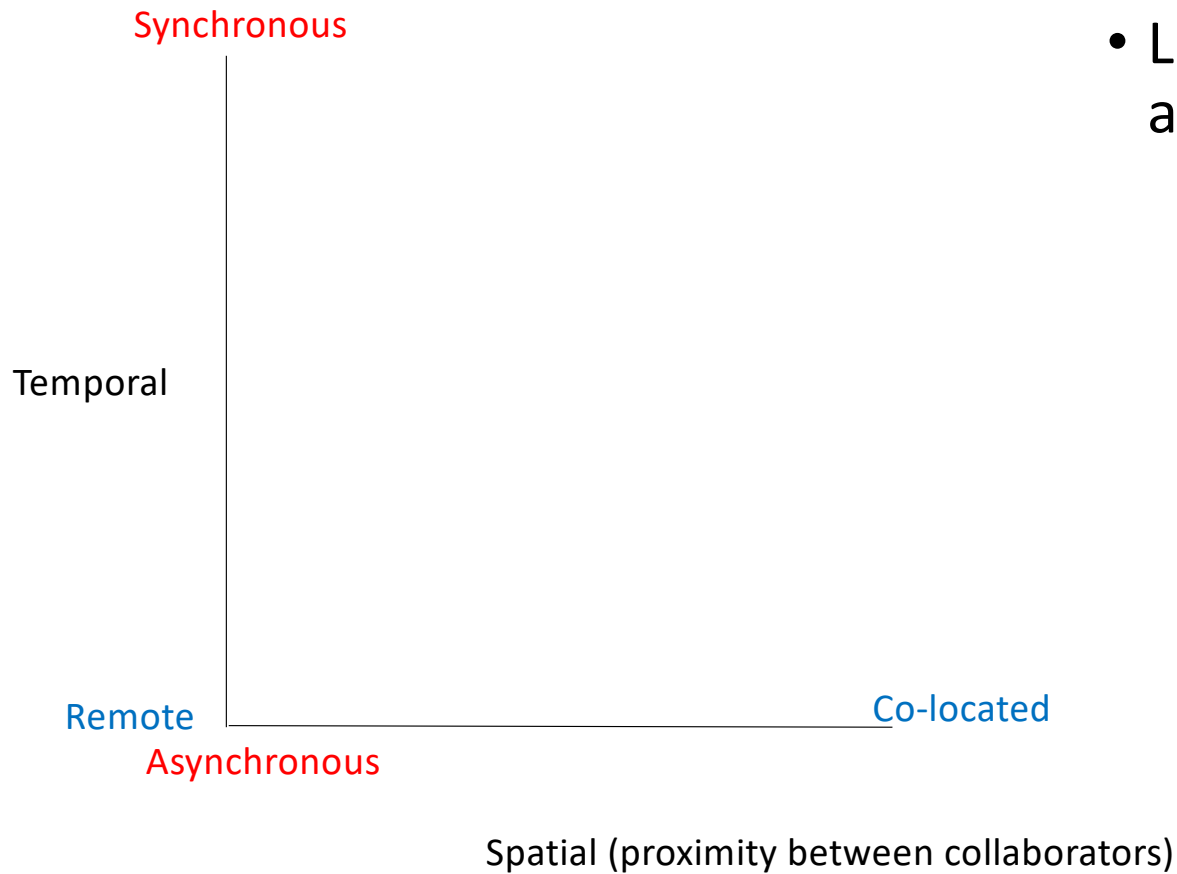
In this exercise, the students are expected to work individually to analyse the mediating elements of an existing technology that is designed and used for human collaboration. Students will identify the elements that can be further improved in the tool and discuss further opportunities and challenges offered by the tool.

LEARNING GOALS:

With this exercise students will be able to;

- Identify and give examples for technologies that offer collaborative interaction in different domains of space and time
- Analyse different aspects of the technology design features that mediate collaborative interaction
- Discuss opportunities and challenges offered by the tool for collaborative interaction

Exercise



- List 5 collaborative technologies and place them in the model

WORKSHEET

- Pick one of the technologies and analyze it according to its design elements that work as mediator of collaboration
- Identify the mediating design elements to be further improved and discuss with your peers.

	TOOL Name of the tool...	FEATURE 1 Description of the feature	FEATURE 2 Description of the feature	FEATURE 3 Description of the feature
Purpose of the collaborative interaction	Learning			
	Working			
	Leisure / Entertainment			
	Wellbeing			
Modalities of sensory input/output available	Visual			
	Auditory			
	Tactile			
	Gustatory			
	Olfactory			
	Vestibular			
Modalities of behavioral input available	Proprioceptive			
	Gestural (e.g. pointing for joint attention)			
	Arousal (active/passive; attention)			
	Expressed emotion (valence)			
Medium used for collaborative interaction	Heartrate / HR Variability or other bio			
	Oral			
	Textual			
	Graphical / illustration			
	Photography			
	Video / Animation			
Place of the collaborative interaction	Spatial / 3D Model			
	Collocated			
	Hybrid, both			
Realty/Virtuality: Virtual collaboration takes place in...	Remote			
	Augmented Reality			
	Mixed Reality			
Temporality of the collaborative interaction	Virtual Reality			
	Synchronous			
Predictability of the collaborative interaction	Asynchronous			
	Scheduled			
Type of Strategy Planning takes place between the collaborating actors	Unscheduled			
	Retrospective			
Level of collaborative interaction Are they...	Prospective			
	Coordinative			
	Cooperative			
Roles & Skills used for the Collaborative Interaction; Are they...	Reflective			
	Independent			
	Dependent			
	Interdependent			



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