Fashion design & clothing ergonomics in disability

DONNING & DOFFING
• Range of motion
• Fine motor skills

FIT
• Posture
• Body proportions

FUNCTION
• Warmth
• Comfort
• Protection
• Storage

AESTHETICS
Workshop – Design stages

Understand user & pain points → interpret → Success metrics → test → Prototype

ONLINE: 3 Mar
LJUBLJANA: 30 Mar
3 Apr
Workshop – Design values

USER-CENTERED DESIGN
1. Understand user needs through occupational therapy *HAAT model* of assistive technology design.
   • Used model to brainstorm questions for user
2. Involve user in prototype testing
   • Daily user testing
Workshop – Design values

MULTIDISCIPLINARY COLLABORATION
Combine functional, aesthetic, technical, clinical expertise
Workshop – Design values

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Combine functional, aesthetic, technical, clinical expertise

• Special thanks to Sanja Grcic, Tomo Per and Ljubljana’s craftsmen & seamstresses!
Workshop – Design values

ITERATIVE DESIGN & RAPID PROTOTYPING
Workshop – Design values

ITERATIVE DESIGN & RAPID PROTOTYPING

1. Identify a design solution
Workshop – Design values

ITERATIVE DESIGN & RAPID PROTOTYPING
1. Identify a design solution
2. Prototype ‘rapidly’

DESIGN (DIS)ABILITY workshop | Ljubljana March 30 to April 3 2015 | by RogLab & Open Style Lab
ITERATIVE DESIGN & RAPID PROTOTYPING

1. Identify a design solution
2. Prototype ‘rapidly’
   - In clothing, this is particularly difficult due to the existence & interdependence of multiple variables
Workshop – Design values

ITERATIVE DESIGN & RAPID PROTOTYPING
1. Identify a design solution
2. Prototype ‘rapidly’
   • In clothing, this is particularly difficult due to the existence & interdependence of multiple variables
3. Evaluate prototype against pre-defined success metrics