

HCI Lab @ IST

The Human-Computer Interaction (HCI) laboratory hosts an interdisciplinary research group that designs, develops, and studies novel interaction techniques for the computers of the future

Lead by

Augusto Esteves, PhD

Team

15 students and research assistants

Website

<http://web.tecnico.ulisboa.pt/augusto.esteves/>

Research Areas

Tangible Interfaces and Public Displays

Augmented- and Virtual-Reality

Gaze (*hands-free*) Interaction

Gestural Interaction

Mobile and Wearable Computing

Smart Homes and the Internet-of-Things (IoT)



Example #1

Tangible Interfaces and Public Displays

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Gestural Interaction

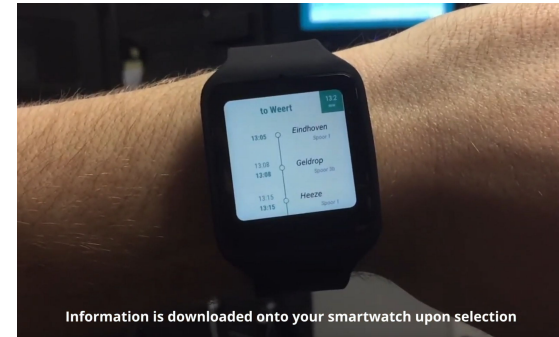
Mobile and Wearable Computing

Smart Homes and the Internet-of-Things (IoT)



Vertrek	Naar / Opmerkingen	Spoor	Trein	18:25
18:32	Schagen <small>via s'Hertogenbosch - Utrecht C - Amsterdam CS</small>	5	Intercity	
18:33	Deurne <small>via Helmond</small>	3	Sprinter	
18:35	s'Hertogenbosch <small>via Bontel</small>	6	Sprinter	
18:39	Weert	1	Sprinter	
18:44	Breda <small>via Tilburg</small>	5	Intercity	
18:47	Schiphol Airport <small>via s'Hertogenbosch - Utrecht C - Bijlmer ArenA</small>	6	Intercity	
18:49	Venlo <small>via Helmond</small>	1b	Intercity	

WAVETRACE OV



<https://youtu.be/Uyz0ubAhPy4?t=146>

Example #2

Tangible Interfaces and Public Displays

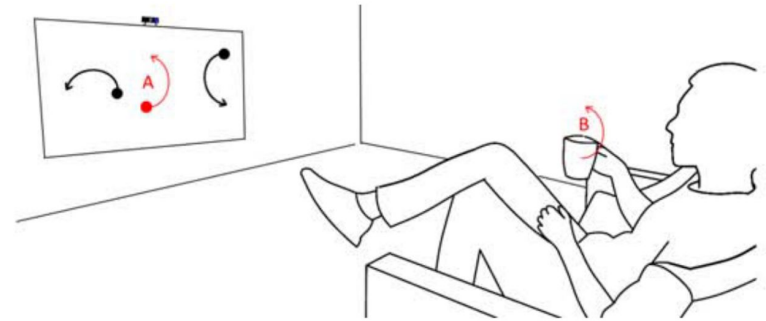
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<https://youtu.be/ffRmXRGcC5M>

Example #3

Tangible Interfaces and Public Displays

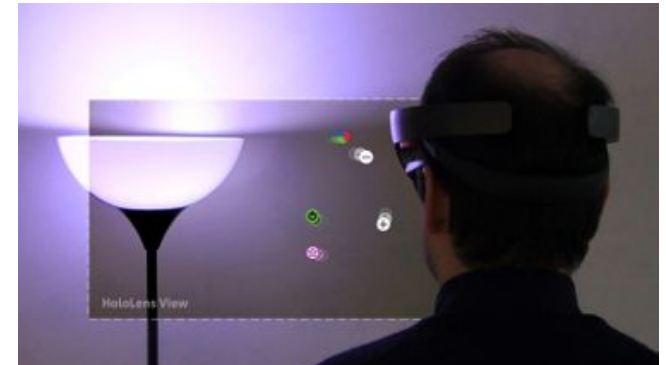
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<https://youtu.be/vd4tXletAz4>

Media and Awards

Featured in

BBC One, The Independent

Wired UK, Yahoo! Finance, etc.



Awards by

Fraunhofer AICOS, Adobe,

Association for Computing Machinery

etc.



Past Industry Collaborations

One patent

Three invention disclosures sold

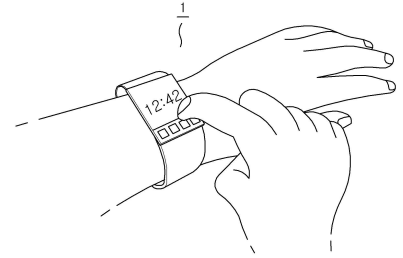
Past collaborations with:

Samsung Electronics (*authentication in AR*)

NVIDIA (*VR and live media*)

Santander (*smart homes and sustainability*)

Disney Research (*VR and collaboration*)



SAMSUNG

