Nigel Taylor

HURBIE

HUmanoid Robot for BIometeorological Evaluation

Karlsruhe University: Germany

Centre National de Recherche Scientifique: France

Jozef Stefan Institute: Slovenia

Swiss Federal Laboratories for Materials Testing and Research: Switzerland

University of Wollongong: Australia

University of Freiburg: Germany

University of Loughborough: England

Swedish Defence Research Establishment: Sweden
Project Summary

- This application seeks funding to support the development of a multinational, collaborative research project, for which funding shall be sought within Europe. That project aims at developing a prototype humanoid robot with thermoregulatory abilities and thermal cognitive function. It will incorporate neuronal models providing thermoregulatory and thermal cognitive responses, based on sensory input. Through neural network modeling, the robot will learn to assess the sensory input provided by the surrounding physical environment. It will be capable of simulating human thermoregulation and evaluating the health risk posed by the environment to a human.