

List of Projects Available to Incoming Cooper Union Students at HsKA

Autonomously working sensor systems:

1. An artificial sensor egg for monitoring of the breeding process of blue parrots (that are critically endangered) in cooperation with the Loro Parque on Tenerife/Spain
2. Bee hive monitoring - by weighing the bee hive more information about the state of health of the bees can be derived
3. Intelligent door locking system: by activating the door opener energy is harvested; this energy is used to activate an electronic logic that then is checking whether the person in front of the door is allowed to enter
4. Hand prostheses project with Vincent Systems GmbH - more details about hand prostheses are to be found under <http://vincentsystems.de/en/> (sensors, actuators, electronics, ...)

Automotive Engineering:

1. Formula student team High Speed Karlsruhe <http://www.highspeed-karlsruhe.de/>
2. Institute for energy efficient mobility <https://www.hs-karlsruhe.de/ieem.html>