Feeling by seeing

Camera-based sensors for smart robots

Ruofan Xu
Camera-based sensing – Technology

Virtual software sensors

Joint encoders

Force/Torque

Tactile

- ROVI

- ROVI

- ROVI

- ROVI
Camera-based sensing – Technology

Camera + Visual markers + Passive flexible elements + Image processing software
Camera-based sensing – Systems

Tactile Sensor

Versatile gripper with tactile sensors

Camera-controlled robot arm

Virtual software sensors

ROVI

ROS

MoveIt!
RoVi - looking for

- Partners for pilot projects
- Investors (round planned for mid 2019)
- Team members (robotics, computer vision)

contact@rovi-robotics.de
www.rovi-robotics.de