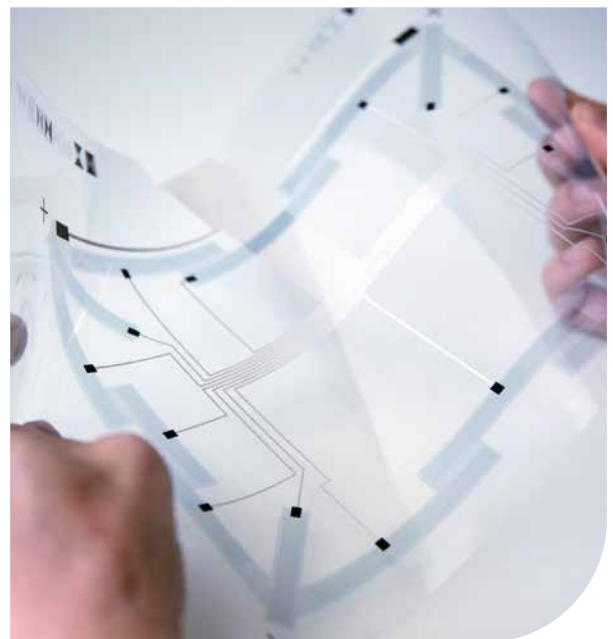
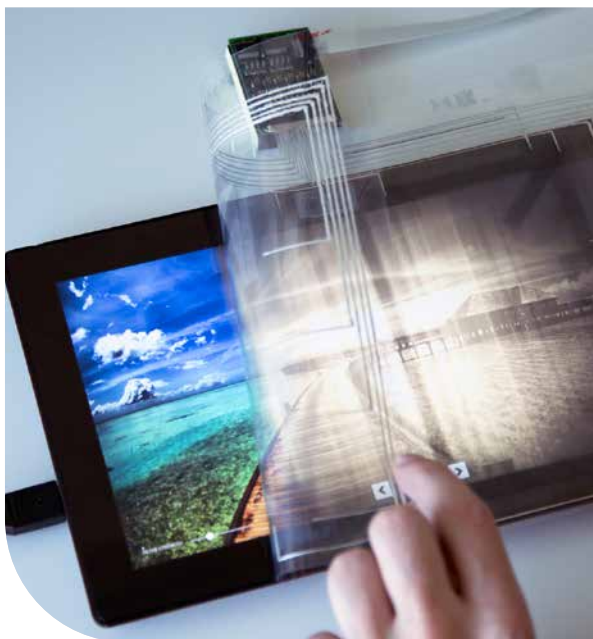
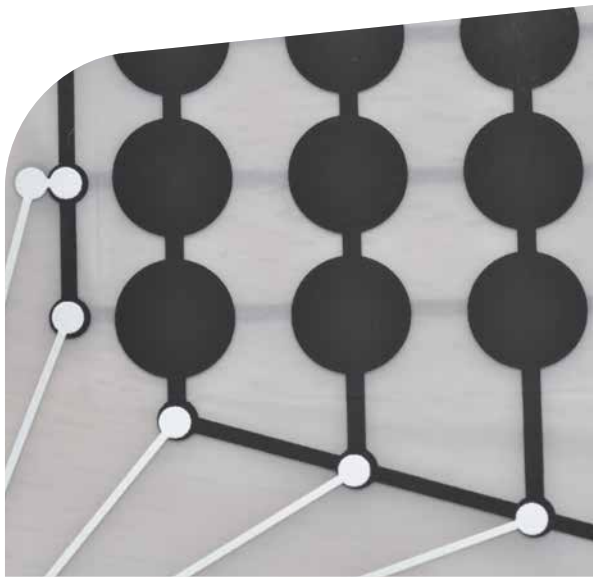


PyzoFlex®

The Intelligent Surface



PyzoFlex®



Design-driven

- Any surface
- Any material
- Any design



Flexible

- Light and thin surface
- Formable
- Resistant against environmental damages



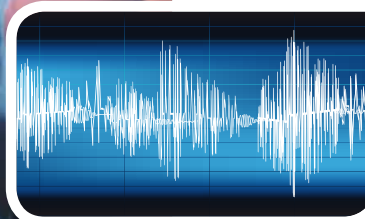
Intelligent

- Real-time
- Application specific
- Customized



Energy

- Passive
- Harvesting
- Low temperature processing



Dynamic

- Pressure
- Temperature
- Vibro-acoustics

Use Cases



User Interfaces

- New interaction:
e.g. by deformation, touch interface
on any surface
- Freedom of design
- Operating with gloves possible
- Cost-efficient



Smart Environment

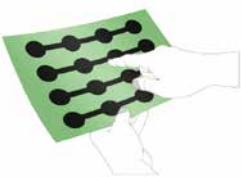
- Integrable in any surface
- Application-specific intelligence
- Measurement of pressure
and temperature changes
- Energy harvesting



Safety Systems

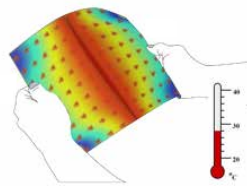
- Industrial automation
- Digital factory
- Active & assisted living

Sensor Applications



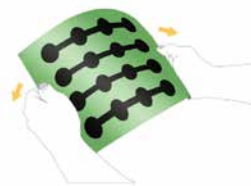
Piezoelectric sensing

- Pressure changes
- Acoustics/vibro acoustics
- Structure borne sound
- Impact analytics
- Force lines, threshold
forces



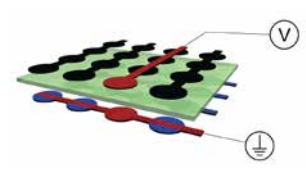
Pyroelectric sensing

- Temperature changes
- Waste heat detection
- Thermal gradients
- Laser detection
- Proximity sensing



Flexible sensors

- Bending
- Wavelike movements
- Curved surfaces
- Smart skin
- Wearables



Energy harvesting

- Body movement
- Vibrations
- Temperature changes
- Deformations
- Wind, tides

Scientific Excellence & Awards



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