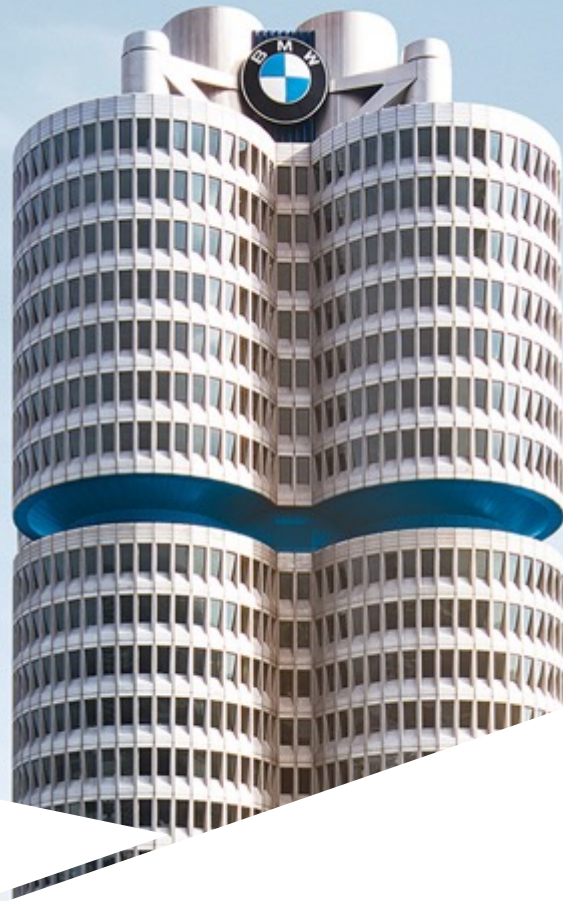


# EMOTIONALLY INTELLIGENT SYSTEMS.

A BMW OVERVIEW & INNOVATION WORKSHOP

FG-AM-7 & LT-7 | 15.10.2019

Sean Batir & Thomas Gerstl





# 01

## INTRODUCTORY VIDEO



**02**

## **BMW AND AFFECTIVE COMPUTING**

# THE VISION BEHIND EMOTIONALLY INTELLIGENT SYSTEMS



**Gartner**

“By 2022, your personal device will know more about your emotional state than your own family.”

**accenture**

Rumman Chowdhury, who leads work on responsible AI at Accenture, says the hype about the power of AI has led many people inside and outside the tech industry to be overconfident about what computers can do.

**VentureBeat**

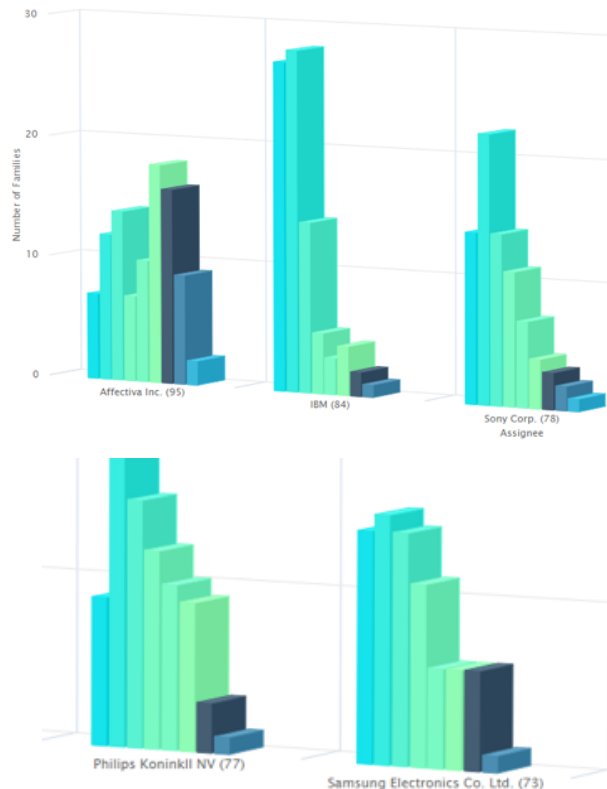
“Mood tracking will change the way robots and AI assistants like Alexa interact with humans. Emotional intelligence is key to allowing devices with a voice interface to react to user responses and have a meaningful conversation”, Affectiva CEO Rana el Kaliouby said.

# EMOTIONAL INTELLIGENT SYSTEMS.



# THE CURRENT LANDSCAPE

## Who



# What



## Why



# POSSIBLE APPLICATIONS FOR BMW

A variety of solutions exist in credit generation and marketplace use cases

## In the Vehicle



Intelligent, in car personal assistants



Enhanced autonomous driving experiences



New business models for vehicle transactions

## Outside the Vehicle



Improved market research execution



Enhanced trust and user experience during  
Retail and sales transactions



Improved onboarding and training academies  
For internal, professional development



**03**

**INNOVATION WORKSHOP**



# THE ONLY RULE

You can only answer a question with another, related question!



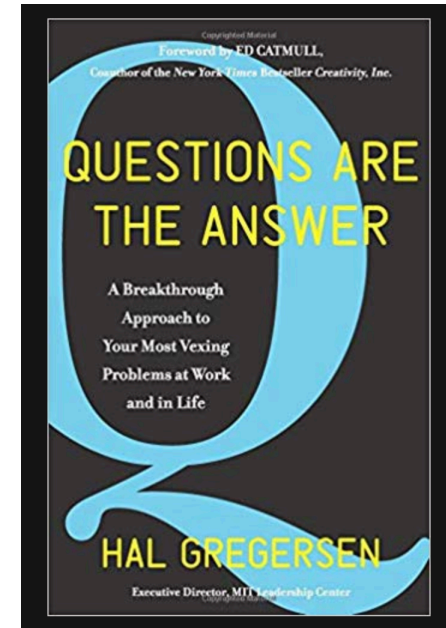
## Theory

- Questions force you to arrive at your fundamental “beliefs” that surround the topic you arrive.
- Often, the chain of questions forces us to realize both our unique constellation of thoughts and overlapping thought-forms



## Practice

- Break into 5 groups with the seed questions
- Introductions (5 min)
- Self-Exercise (5 min)
- Group (10 min)



# INNOVATION WORKSHOP

There is a power behind questions that unlocks the truth...

## Relevant questions for this report:

- After an emotion is detected, which actions / reactions are appropriate?  
Should or can the emotional state be influenced at all?
- Can we learn long term traits of our users through emotion detection?
- How can emotion states transform manufacturing/ my own industry?
- How will emotion detection transform the future of how you work and play?
- How will emotion detection transform your driving experience?