



# Robots in the kitchen: from field to plate

1<sup>st</sup> ONLINE Conference in Agri-Food Robotics  
March 2020  
Antonio D'Ammaro

**Beko Plc**

**beko**

**GRUNDIG**

**LEISURE**

**Blomberg**

**FLAVEL**

# Company description

THE  
UK's **N°1**  
BEST

Brands

**beko**  
Global home-appliances brand sold in more than 100 countries

**GRUNDIG**  
Europe's full range premium home-appliances brand

**arçelik**  
The leading home-appliances brand in Turkey

**ALTUS**

**arctic**

**Blomberg**  
est. 1883

**Dawlance**

**DEFY**

**elektrobregenz**

**FLAVEL**

**LEISURE**

# Robotics in Food Supply Chain

## Sectors

- ◆ Agriculture
  - ◆ Food Manufacture
  - ◆ Food Packaging
  - ◆ Food Delivery
  - ◆ Kitchen/Cookery
- From field
- To plate





Traditional



Robotic arms in Field

# Agriculture



Traditional



Robotic arms

# Food Manufacture



Robotic arms

# Food Packaging



Robot - Drone delivery



Robot – 4 wheels delivery

# Food Delivery

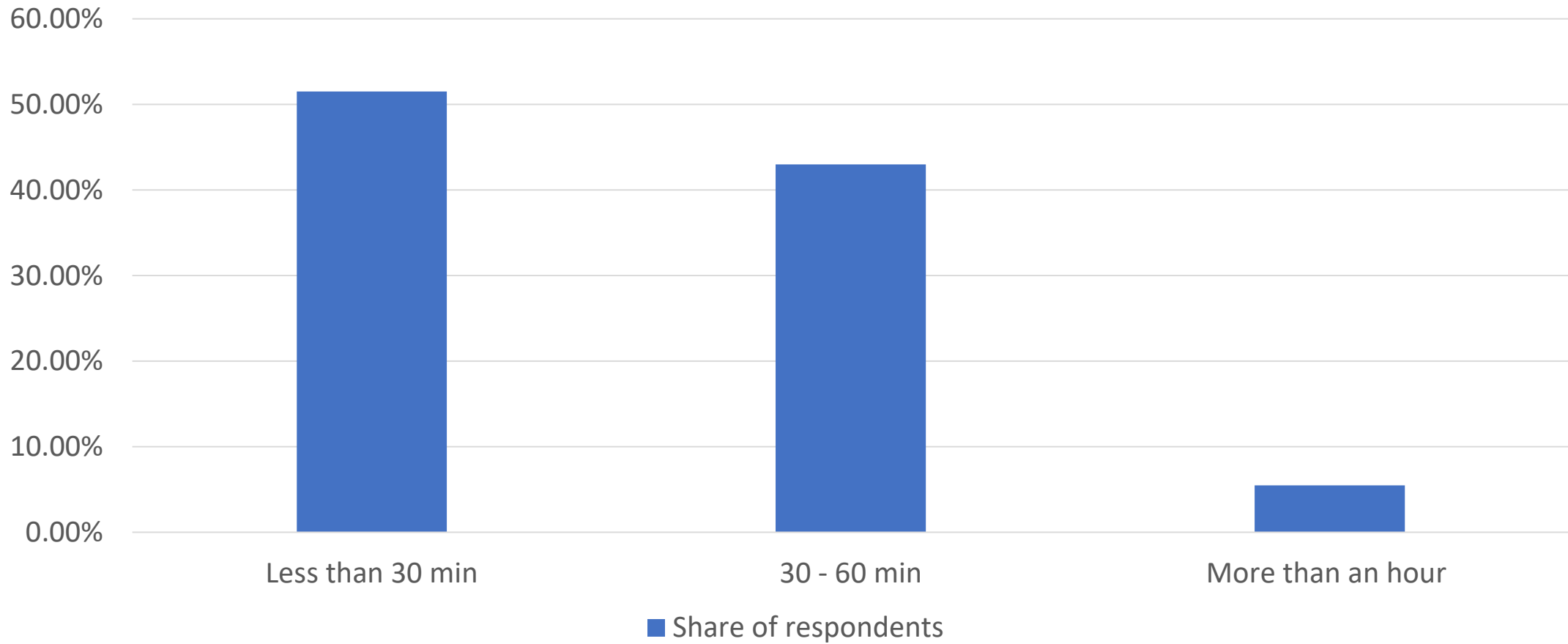


# Future of Robots in the Kitchen



# Is cooking something we should do?

Time spent cooking a weeknight meal in the UK 2019



# Robots help us to do our daily household chores



# Robots in Kitchen

## Cooking Assistants



# Robots in Kitchen -> control with screen or voice

Mixer

Scale

Blender

Grinder

Cooker

Grater

Chopper

Kneader



Beko Plc

beko

Stromberg

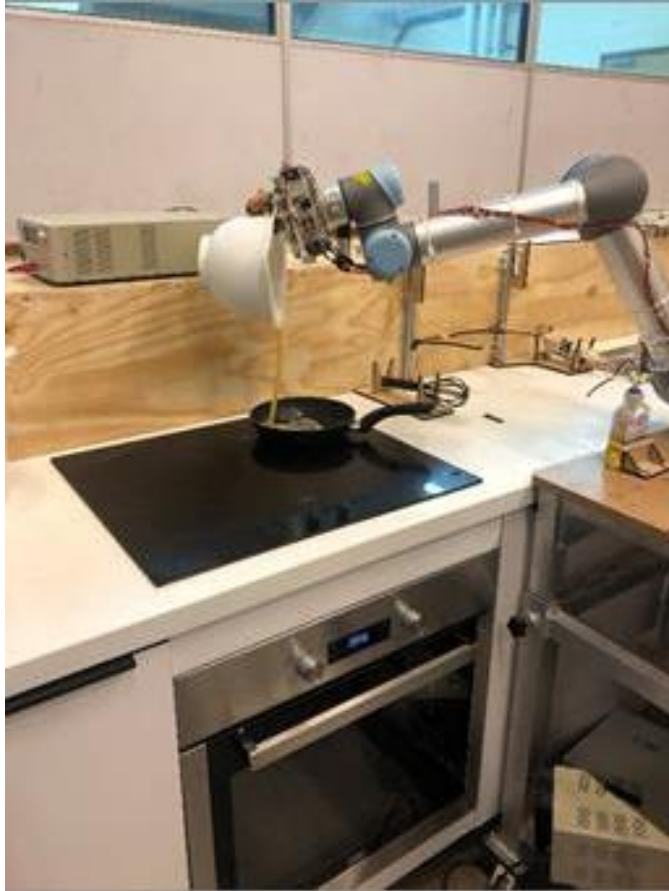
FLAVEL

CookingPal - Julia

# Grundig oven - self cleaning and automatic cooking



# Research in the University with Dr Iida



Automating and improving cooking outcome



Automate undesired chores: cleaning

# Future of Robots in the Kitchen

Is it where we're heading?

