

## **TABLE OF CONTENTS**

By Brad Russell, Research Director, Connected Home, Parks Associates

#### **Synopsis Artificial Intelligence** It is widely Prediction acknowledged that the real value from the Recommendations & Pattern Recognition Internet of Things will Personalization be derived from data. & Anomaly Detection Data analytics firms Learning & across all vertical **Context Awareness Decision Making** markets in the connected home are providing solutions to help companies extract **Audio Analytics** value from data. This Video Analytics report highlights different approaches, Al technologies being implemented, and the **Facial Recognition** associated challenges. Natural Language It also covers Processing applications that are providing value and **Emotion Recognition** company profiles of leading data analytics firms. Al: Simulating Human Intelligence Publish Date: 4Q 18 "Applications of artificial intelligence are actively deployed in-market from the most innovative firms in their product categories. Market leaders, both legacy players and startups with leading edge IP, understand the immense potential of AI to improve the user experience, personalize features, predict and automate preferable actions, protect and manage the home network, and reduce false alerts and unnecessary notifications." said Brad Russell, Research Director, Connected Home, Parks Associates. Contents 1.0 Report Summary 1.1 Purpose of Report 1.2 Key Burning Questions Addressed by this Research 1.3 Research Approach/Sources 2.0 Beyond Connected to a Smarter Home 2.1 Forms of Artificial Intelligence 2.2 Voice and NLP Drive Growth in the Smart Home 2.3 Data Sources

3.0 Value Chain of Artificial Intelligence Tools3.1 Public Clouds and Al Development Tools3.2 Software-as-a-Service/Al-as-a-Service Solutions

4.1 Professional and Self-monitored Security

Al Applications in Smart Home Vertical Markets



#### TABLE OF CONTENTS

- 4.1.1 Video Analytics
- 4.1.2 Audio Analytics
- 4.1.3 Anomalous Security Behavior
- 4.1.4 Challenges and Evolution
- 4.2 Smart Home Automation
  - 4.2.1 Predictive and Personalized Automation
  - 4.2.2 Predictive Maintenance
  - 4.2.3 Challenges and Evolution
- 4.3 Digital Health
  - 4.3.1 Remote Patient Management and Virtual Care
  - 4.3.2 Independent Living
  - 4.3.3 Chronic Disease Management
  - 4.3.4 Challenges and Evolution
- 4.4 Energy and Water Management
  - 4.4.1 Learning Thermostats
  - 4.4.2 Home Energy and Water Disaggregation
  - 4.4.3 Appliance Fault Detection and Fire Hazards
  - 4.4.4 Challenges and Evolution
- 4.5 Secure Networking
  - 4.5.1 Al for Device Identification
  - 4.5.2 Al for Endpoint and Network Security
  - 4.5.3 Al for Parental Controls
  - 4.5.4 Challenges and Evolution

#### 5.0 Implications and Recommendations

### 6.0 Appendix

- 6.1 Glossary
- 6.2 Index
- 6.3 Image Sources

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Simplified Architecture for NLP System

Voice-first Ecosystem

Smart Speaker Penetration of U.S. Broadband Households

Smart Speaker Ownership by Brand

Smart Speaker Ownership by Model

Importance of Smart Home Device Purchase Considerations

**Data Sources for AI Applications** 

Al Stack in the Public Cloud

Al Development Tools

Forecast of Annual Revenue for Professionally Monitored Security (2018 – 2022)

Company Profile - IntelliVision

Appeal of Home and Personal Security Use Cases

Forecast - New Smart Home Controller Revenue by Channel (2017 - 2022)

**DIKW Model of Data Value Extraction** 

Company Profile - Vivint Smart Home

Company Profile – People Power Company

Trends in Consumer Health Concerns

Number of Connected Health Devices Owned

Company Profile – Care Innovations



## **TABLE OF CONTENTS**

Helpfulness of Energy Information

Company Profile - Bidgely

Consumer Concerns about Hacking of Smart Products

Company Profile - Cujo Al

**DSP** Group

## **List of Companies**

Accord.net Leeo
Alarm.com LG
Alexa LifePod
Amazon Lighthouse
Amazon Alexa MediaTek
Amazon Web Services Medtronic

Amberella Microsoft
Apache Spark Microsoft Azure
Apple Mindmeld

Arlo mnubo

Audio Analytic National Monitoring Center

Ayla Networks

Bidgely

Bitdefender

C3 IoT

Caffe

Norton

Care Innovations

Neon

Nest

Nest

Nest

Netatmo

Netatmo

Neura

Norton

Nuance

Centrica NXP Semiconductor

Comcast Xfinity OpenNN
Cujo Particle.io

Disney Circle People Power Company

Prodea/Arrayent

Dojo by Bullguard Philips

**Ecobee** Qualcomm Flare Ring F-Secure Samsung Google Sensory Grid4C Sonos H2O.ai Torch **IBM Watson** Veles IBM Watson Health Vivify Health Vivint IC Realtime IntelliVision Voicebox I-ViewNow Whisker Labs

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## **TABLE OF CONTENTS**

#### **Attributes**

Parks Associates 5080 Spectrum Drive Suite 1000W Addison, TX 75001

800.727.5711 toll free 972.490.1113 phone 972.490.1133 fax

parksassociates.com sales@ parksassociates.com Authored by Brad Russell Executive Editor: Tricia Parks Published by Parks Associates

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