

Магистърска програма по Компютърна лингвистика

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13 юли 2016

Exclusive: Microsoft's digital assistant Android, Apple devices

SEATTLE (BY BILL RIGBY)



Microsoft CEO Satya Nadella speaks at the Future Decoded conference in London November 10, 2014. REUTERS/ANDREW COOPER

Microsoft is working on an advanced version of its competitor to Apple's Siri, using research from an artificial intelligence project called "Einstein."

Microsoft has been running its "seasonal assistant" Cortana on its Windows phones for a year, and

summ. L

You no longer have to buy 'Alexa' Echo hardware to test out its software.

Amazon's voice-powered personal assistant can now be accessed on a browser.

The technology answers questions, read audio-books and even reports on weather in response to voice commands.

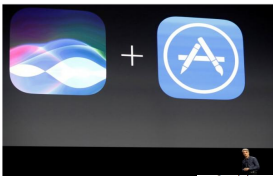
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Apple enhances Siri but still trails in artificial intelligence race

BY JULIA LOVE



Craig Federighi, Senior Vice President of Software Engineering for Apple Inc., company's Siri assistant for iOS will be opened for developers at the company's Developers Conference. REUTERS/STEPHEN LAW

Apple unveiled a series of improvements to its Siri digital assistant in the

reuters.com

Sassy woman or machine? Tech giants divided over digital assistants

By Julia Love and Yasmeen Abutaleb

SAN FRANCISCO When users ask Siri, Apple's digital assistant, what she likes to drink, she is quick with an answer.

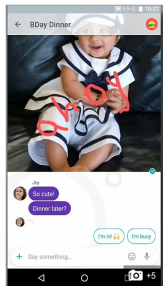
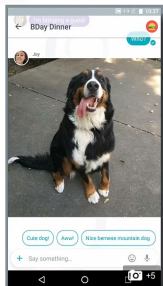
"I have a thirst for knowledge," she responds.

Google has unveiled a new messaging app it hopes will be able to topple Facebook's Messenger.

It will include the search giant's new AI assistant, helping people with everything from booking cinema tickets to playing games.

Allo will also feature end-to-end encryption, and use AI to predict what a user will want to say - even being able to understand pictures and suggest responses.

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Google has unveiled a new messaging app it hopes will be able to take on Facebook's

Technology | Fri May 13, 2016 11:05am EDT

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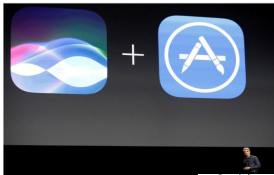


Microsoft CEO Satya Nadella speaks at the Future Decoded conference in London November 10, 2014. REUTERS/ANDREW COOPER

Technology | Mon Jun 13, 2016 9:07pm EDT

Apple enhances Siri but still trails in artificial intelligence race

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Craig Federighi, Senior Vice President of Software Engineering for Apple Inc., demonstrates Siri assistant for iOS will be opened for developers at the conference.

Reuters/TECH

reuters.com

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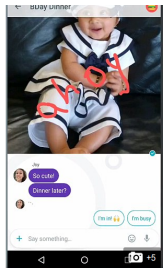
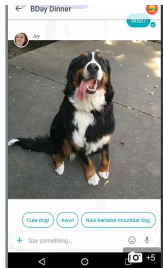
Google has unveiled a new messaging app it hopes will be able to topple Facebook's Messenger.

"We're defining the competitive landscape... of who can provide the most supportive services that make life easier, keep track of things, that complement human memory in a way that helps us get things done," said Horvitz.

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Google has unveiled a new messaging app it hopes will be able to take on Facebook's



UK | Thu May 19, 2016 3:20am BST

Google doubles down on artificial in and Allo

MOUNTAIN VIEW, CALIFORNIA | BY DEBORAH M. TODD



PERSONAL TECH



Alphabet's Google Inc (GOOGL.O) unveils its new voice-controlled assistant along with new messaging app on Wednesday, doubling down on the keys to its future.

Google Home vs. Amazon Echo. Let the Battle Begin.

Tech Fix

By BRIAN X. CHEN MAY 18, 2016



Mario Queiroz of Google introduced the Google Home smart speaker on Wednesday. The device is scheduled for release in the fall. Stephen Lam/Reuters

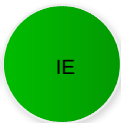
MOUNTAIN VIEW, Calif. — Google on Wednesday introduced [Google Home](#), a voice-controlled, Internet-connected speaker that competes directly with [Amazon's](#) smart speaker, Echo, which costs \$180. The

Now you can chat with Alexa on your browser: Users able to test personal assistant without using Amazon Echo

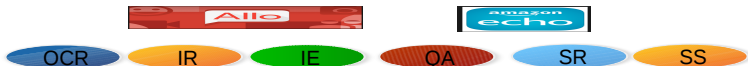
- Software was previously only available via Amazon's Echo speakers
- New software allows users to speak to Alexa directly from your browser the home, doubling as a music player
- The new software also allows users to speak with access to Google Assistant, Alexa and Apple's Siri Speaker



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Машинно (само)обучение



Машинно (само)обучение

Лингвистични
принципи и основи

Статистически
принципи и основи

Комбинаторни
принципи и основи



OCR

IR

IE

QA

SR

SS



Машинно (само)обучение

Лингвистични
принципи и основи

Езикознание
Семантика

Статистически
принципи и основи

Статистика
Извличане на
информация
Семантичен анализ
Машинен превод

Комбинаторни
принципи и основи

Алгоритми
Структури данни
Граматика
Изчислимост
Логика

Създаването на кадри, които:

- 1 разбират и владеят принципите на съвременните технологии за обработка на естествен език;

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- 3 и могат да прилагат придобитите в магистратурата знания за създаването на нови, качествено различни модели и алгоритми за обработка на естествен език.

- 1 IT-компании за усъвършенстване и развитие на съществуващи технологии в областта на автоматичната обработка на естествен език.

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- 2 изследователски центрове на IT-компани и научни организации в България и по света за създаването на технологии от ново поколение за автоматичната обработка на естествен език.

Нашият екип



... с опит от редица научни проекти и сътрудничества



ISALTeC – неинформиран анализ на данни за извличане на фрази от текст (Marie Curie Fellowship към FP7 на ЕК) - (2014-2016)



CULTURA – машинен превод от средновековен на модерен език (FP7 на ЕК)
– (2011-2014) Съвместно с Trinity College Dublin и др.



IMPACT – корекция на исторически текстове (FP7 на ЕК)
– (2008-2012) Съвместно с 26 национални и регионални библиотеки, изследователски институти и индустриални партньори



Разпознаване на българска реч (Национален иновационен фонд)
– (2006-2008)



SpeechLab – синтез на българска реч (Microsoft частично)
– (2004-2005)



OCORRECT – корекция на OCR текстове (Volkswagen Stiftung)
– (2002-2008) Съвместно с Мюнхенския университет



BalkanNet – семантичен речник за балканските езици (FP5 на ЕК)
– (2001-2004) Съвместно с 8 изследователски института



- 1 участват в научни проекти.



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SemEval-2015 Task 3

[▶ Link](#) [▶ Link](#)

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SemEval-2015 Task 3

[▶ Link](#) [▶ Link](#)

- 3 публикуват своите резултати и участват в научни конференции,

където ги докладват.



<http://www.fmi.uni-sofia.bg/fmi/logic/bg-linguistics.html>

e-mail:stoyan@lml.bas.bg, stefangerdzhikov@fmi.uni-sofia.bg