

Turing award  
winner

P.Anurag

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# Turing award winner

## Raj Reddy :The 28<sup>th</sup> Turing awardee

P.Anurag

SCIS University of Hyderabad

September 28, 2017

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Raj Reddy Moza Bint Nasser Professor of Computer science  
and Robotics at Carnegie Mellon University<sup>[1]</sup>.

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Dabbala Rajagopal Reddy



Raj Reddy

## Introduction

**Dabbala Rajagopal "Raj" Reddy** is an Indian-American computer scientist and a winner of the Turing Award. He is also the chairman of International Institute of Information Technology, Hyderabad.

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- Dabbala Rajagopal Reddy was born on 13 June 1937 in Katur, Chittoor district, Madras Presidency, British Raj.
- His father, Sreenivasulu, was an agricultural
- His mother, Pitchamma, was a homemaker.

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**Degree**

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Degree	Specilization	Year	institute
Bachelor of Technology	Civil engineering	1958	University of Madras (now <b>Anna University</b> )

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Degree	Specilization	Year	institute
Bachelor of Technology	Civil engineering	1958	University of Madras (now <b>Anna University</b> )
Master of Technology	Information Technology	1960	University of new south wales

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Degree	Specilization	Year	institute
Bachelor of Technology	Civil engineering	1958	University of Madras (now <b>Anna University</b> )
Master of Technology	Information Technology	1960	University of new south wales
Doctorate	Computer Science	1966	Stanford university

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1960-63

Applied Science Representative for IBM  
Corp. in Australia<sup>[2]</sup>.



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1960-63

Applied Science Representative for IBM  
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1966-69

Assistant Professor of Computer Science at  
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Carnegie Mellon Faculty as an Associate Professor of Computer Science.

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Carnegie Mellon Faculty as a Full-time Professor of Computer Science.

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Carnegie Mellon Faculty as an University Professor of Computer Science.



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## Legion of Honor:



In 1984, Reddy was awarded the French Legion of Honour by the French President François Mitterrand.

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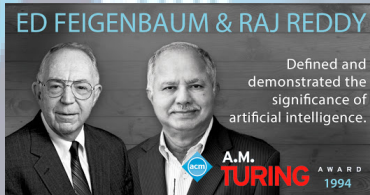
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## Turing award:



In 1994, he and Edward Feigenbaum received the ACM Turing Award<sup>[7]</sup>.

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## Padma Bhushan:



In 2001, Reddy was awarded Padma Bhushan<sup>[8]</sup>, an award given by Indian government.

AWARD



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In 2006, he received the Vannevar Bush Award.

In 2008, Reddy received the IEEE James L. Flanagan Speech and Audio Processing Award.



Figure: Spring Speech Recognition

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In 2006, he received the Vannevar Bush Award.

In 2008, Reddy received the IEEE James L. Flanagan Speech and Audio Processing Award.



Figure: Sphinx Speech Recognition

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- Machine Intelligence and Robotics: Report of the NASA Study Group Executive Summary<sup>[10]</sup>.
- Foundations and Grand Challenges of Artificial Intelligence, AAAI Presidential Address, 1988<sup>[9]</sup>.
- To Dream the Possible Dream, Turing Award Lecture presented at ACM CS Conference, March 1, 1995.

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## Artificial Intelligence

### The Origins of the American Association for Artificial Intelligence (AAAI)

AI Magazine Volume 26 Number 4 (2006) (© AAAI)

25th Anniversary Issue

Raj Reddy

■ This article provides a historical background on how AAAI came into existence. It provides a rationale for why we needed our own society. It provides a list of the founding members of the community that came together to establish AAAI. Starting a new society comes with a whole range of issues and problems. What will it be called? How will it be financed? Who will run the society? What kind of activities will it engage in? and so on. This article provides a brief description of the considerations that went into making the final choices. It also provides a description of the history from AAAI conference and the people that made it happen.

#### The Background and the Context

While the 1950s and 1960s were an active period for research in AI, there were no organized mechanisms for the members of the community to get together and share ideas and accomplishments. By the early 1960s there were several active research groups in AI, including those at Carnegie Mellon University (CMU), the Massachusetts Institute of Technology (MIT), Stanford University, Stanford Research Institute (later SRI International), and a little later the University of Southern California Information Sciences Institute (USC-ISI).

My own involvement in AI began in 1963, when I joined Stanford as a graduate student working with John McCarthy. After completing my Ph.D. in 1966, I joined the faculty at Stanford as an assistant professor and stayed there until 1969 when I left to join Allen Newell and Herb Simon at Carnegie Mellon University (CMU). The 1960s at Stanford AI Labs (SAIL)



Raj Reddy

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Robotics

Applications of Intelligent Systems  
and Robotics in Service of Society

**Raj Reddy**

Carnegie Mellon University  
Pittsburgh  
Jan 9, 2007

Keynote Speech at DGAT 2007, Hyderabad, India

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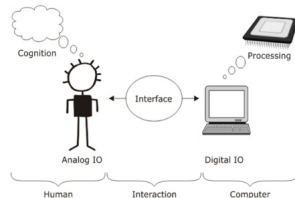
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## Human-Computer Interaction

### What is HCI?

HCI is the study of interaction between  
people (users) and computers



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