



March 18, 2009

- ▼ **India**
  - National
  - Politics
  - Business
  - Sports
  - Sci-Tech
  - Entertainment
  - Travel
  - Health
  - Religion
  - Art - Culture
  - Diaspora
  - Education
- ▼ **International**
  - Pakistan
  - Rest of South Asia
  - Asia
  - Americas
  - Europe
  - Australasia
  - Gulf-Middle East
  - Africa
  - World

Home » Sci-Tech

E-mail this to a friend

Printable version

Advertisement

## How the brain searches for objects of interest

3/4/2009 4:12:00 PM

Washington, Mar 4 (ANI): A study based on the classic book character Where's Waldo? has taken a major step towards unravelling how the brain searches for objects of interest.

During the study, researchers at Barrow Neurological Institute at St. Joseph's Hospital and Medical Centre asked participants to find Waldo.

While the participants searched, the researchers recorded their eye movements simultaneously.

The results of the study showed that the rate of microsaccades - tiny, jerk-like fixational eye movements - dramatically increased when participants found Waldo.

This discovery helps explain human searching behaviour, which can assist us in finding keys on a cluttered desk or recognizing a child's face on a playground, said Dr. Susana Martinez-Conde.

The role of microsaccades in visual perception has been a highly debated, and vaguely understood topic among researchers, since long.

And now the findings may help explain the correlation between microsaccades and search behaviour, both in the normal brain, and in brains with visual or eye movement deficits.

We now know there is a direct link between microsaccades and how we search for objects of interest. This link can help with future advancements such as creating neural prosthetics for patients with brain damage or machines that can see as well as humans, said Martinez-Conde. (ANI)



**America's**  
Online  
Tax Service™

**Start Now**

**Business:**  
**ASIA | US | EUROPE**

Updated 1330 IST

NIKKEI	-2 11488
HANG SENG	+51 13846
NEC	-9 4164

**ZOOMIN**

FILMFARE AWARDS India's prestigious film awards to celebrate 60 years.  
More >>

**Snoop News**

56k 250k

56k 250k

More Entertainment News >

E-mail this to a friend

Printable version

### Govt. Unemployment Checks

Read How I Got A \$12k Govt. Unemployment Check For Free.

### Wealth In Any Economy

Be Smarter Than The Next Guy. Revolutionary Business In A Box.

Ads by Google

- Top News**
- Court to decide on maintenance to ...
  - West Bengal okays IPL schedule
  - IPL team visits Chhattisgarh to a ...
  - Civilian killed in paramilitary f ...
  - Two top Chennai policemen suspend ...
  - Two leopard skins seized in Dehra ...
  - Madhya Pradesh BJP gets three new ...
  - Ghosal in last eight, Ritwik bows ...
  - Varun Gandhi comments trigger ang ...
  - Third Front can seek Congress sup ...

- World News**
- Aid worker killed in Sri Lanka
  - Sharif wants 17th Amendment to be ...
  - Sharjah court becomes operational ...
  - Japan commissions largest helicop ...
  - British police admit abuse of Pak ...
  - Pak extends police remand of three ...
  - Pakistan questions Philippines' s ...
  - Mourinho fined for criticising re ...
  - Wins not points to decide Formula ...
  - White House fountains runs green ...

- South Asian Videos
- Bollywood On Demand
- India On Demand
- Tollywood On Demand
- Hollywood Videos
- Hindi Lyrics
- Realtors India
- Indian Friends
- Indian Short Films
- Post Classifieds
- Bollywood Pictures
- Hindi Lyrics
- Hindi Songs
- Bollywood Photos
- Indian Videos
- India Greetings
- Play Games Online
- Indian Recipes