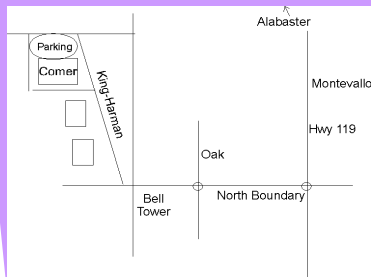


## About the speaker:

**Dr. Martha Burns** serves on the faculty of Northwestern University, department of communication sciences and disorders, and served on the medical staff of Evanston-Northwestern Hospital for 30 years. Dr. Burns is an ASHA Fellow and has received honors from Northwestern University, Evanston Hospital, the ASHA Foundation and St. Xavier University. Dr. Burns is the author of a book on aphasia, right hemisphere dysfunction, the test *Burns Brief Inventory of Communication and Cognition* published by The Psychological Corporation and has published over 100 peer-reviewed articles and book chapters on the brain and language.

**Directions to M & P Bank Auditorium in Comer Hall: From US119, turn right on North Boundary St. After entering campus, turn right on King-Harman St. just past the bell tower. Parking is adjacent to Comer Hall.**



Department of Communication Science and Disorders  
Station 6720  
Montevallo, Alabama 35115

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## The Eleventh Annual Loretta G. Brown Symposium

Featuring:  
**Dr. Martha Burns**

**Neuroscience in the  
21st Century:  
Applications to Adult  
Neurorehabilitation**

October 23, 2009

University of Montevallo

Merchants & Planters  
Bank Auditorium in  
Comer Hall  
8:00 am to 4:15 pm

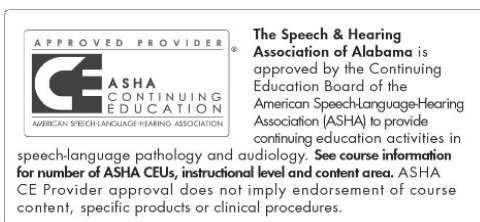
Sponsored by Montevallo  
NSSLHA Chapter  
& ABESPA

# Neuroscience in the 21st Century

## Learner Outcomes

Participants will be able to:

- Utilize information on network theory for assessment and differential diagnosis of memory, language, and cognitive impairments in adult neuropathology
- Apply knowledge of mechanisms of closed head injury and post concussion syndrome to diagnose cognitive impairments after head injury
- Develop Evidence Based Interventions for right hemisphere dysfunction
- Develop Evidence Based Interventions for memory disturbances and aphasia



This program is offered for 0.6 CEUs -Intermediate level; Professional area.

This symposium is partially sponsored by a grant from ABESPA. ABESPA and UM do not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services.

## Presentation Abstract:

This presentation will review advances in the study of brain neuroplasticity as it applies to neurorehabilitation of adults with aphasia, traumatic head injury, right hemisphere dysfunction and memory disorders. Research on applications of functional neuroimaging, utilization of the mirror neuron system, constraint induced therapy, and technological advances will be discussed as well as newer evidence based approaches to functional intervention

<b>Registration</b>	<b>7:45-8:00</b>
<b>Opening Remarks</b>	<b>8:00-8:15</b>
<b>Advances in Neuroscience: Network Theory &amp; Functional Imaging</b>	<b>8:15—9:45</b>
<b>Break</b>	<b>9:45-10:00</b>
<b>Mechanisms of Concussion and TBI: Neurophysiology &amp; Assessment</b>	<b>10:00—11:45</b>
<b>Lunch on your own</b>	<b>11:45—1:00</b>
<b>New Concepts in Neurorehabilitation: Intensity of treatment, mirror neuron systems, working memory in rehab</b>	<b>1:00—2:30</b>
<b>Break</b>	<b>2:30—2:45</b>
<b>EBP: Right Hemisphere Dysfunction, Aphasia &amp; Working Memory Impairment</b>	<b>2:45—4:00</b>
<b>Questions &amp; Comments</b>	<b>4:00-4:15</b>

## Symposium Registration Form

Registration fee covers handout and breaks

Sign up for:	Price
<input type="checkbox"/> ABESPA Member	\$75.00
<input type="checkbox"/> Non-ABESPA Member	\$85.00
<input type="checkbox"/> Student	\$10.00
<input type="checkbox"/> Spring 2009 Extern Supervisor	gratis

Total: \_\_\_\_\_

Only Spring 2009 clinical supervisors are eligible for gratis tuition for conference.

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Phone: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

**Registration fee is due on or before October 19, 2009. Checks should be made payable to Speech and Hearing Center Foundation.**

**Please mail registration to:  
 The Continuing Education Office, Station 6280  
 University of Montevallo  
 Montevallo AL 35115**

