

Department of Physics and Astronomy

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*The Twenty-Sixth Annual*

# Leon Pape Memorial Lecture

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## Andrea M. Ghez

MacArthur Fellowship Award (2008), Sackler Prize (2004),  
National Academy of Sciences and  
American Academy of Arts and Sciences (elected)



***Friday, November 13, 2009 • 2:00 p.m.***

Andrea M. Ghez, Professor of Physics and Astronomy, UCLA

**“Unveiling a black hole at the center of our galaxy”**

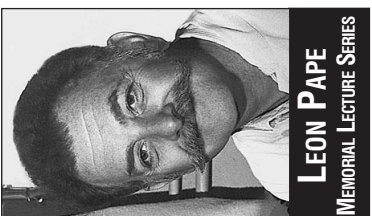
Professor Ghez is a distinguished astronomer. Her work in adaptive optics and speckle imaging has made significant advancements in the resolving power of telescopes. In her talk, she will describe how these improvements have enabled astronomers to establish the existence of and determine the mass of the super-massive black hole in our galaxy's center.

California State University, Los Angeles, Physical Sciences Building, Room 158  
Reception to follow, Golden Eagle, Ballroom Patio. All welcome.

**PROGRAM IS FREE TO THE PUBLIC • Pay parking in Lots C, F and G**



California State University, Los Angeles



**LEON PAPE**  
MEMORIAL LECTURE SERIES



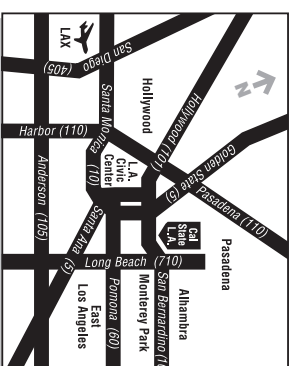
California State University, Los Angeles  
Department of Physics and Astronomy  
5151 State University Drive  
Los Angeles, CA 90032



## California State University, Los Angeles

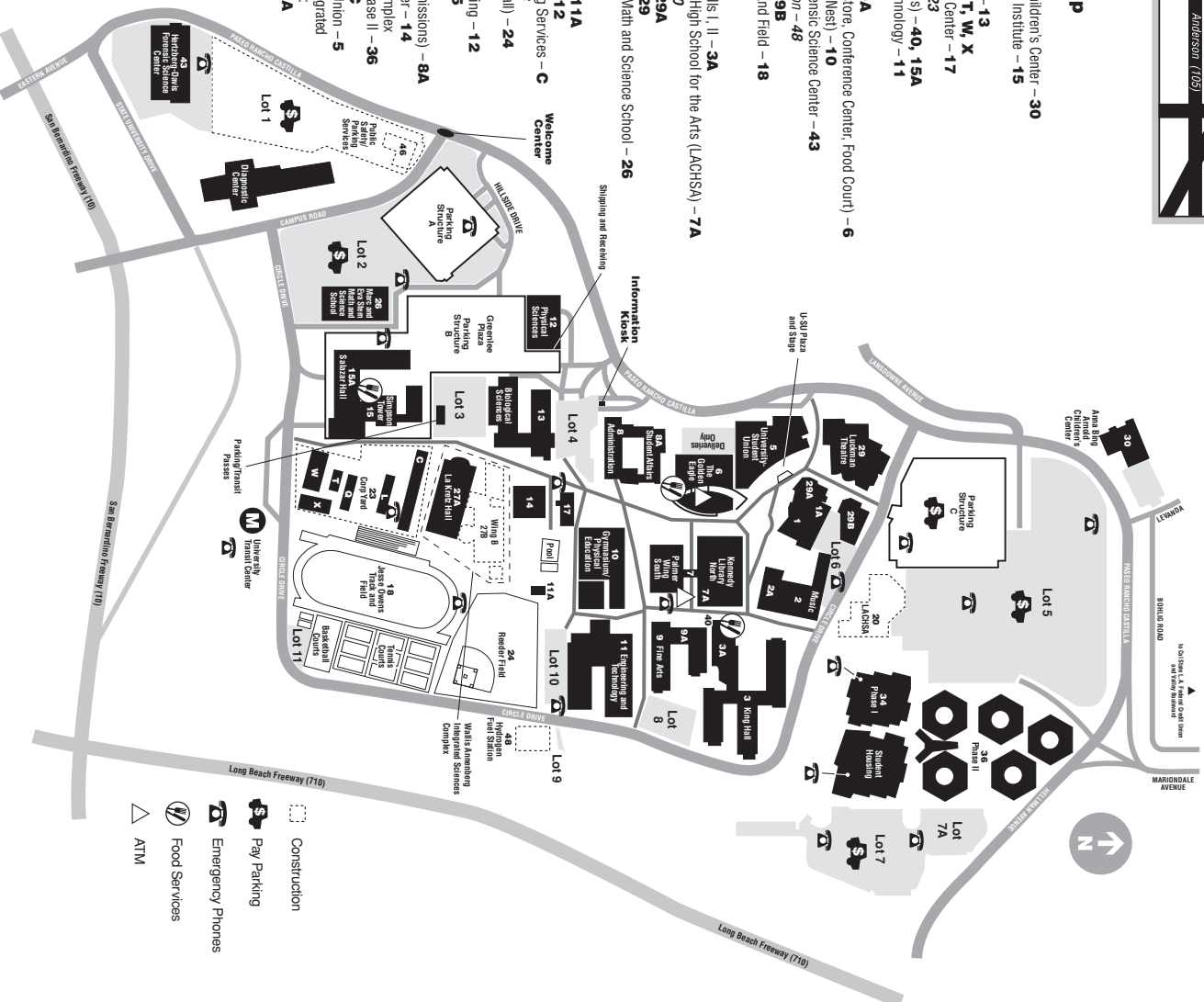
### Directions to Cal State L.A.

- The University is located five miles east of the Los Angeles Civic Center at the interchange of the San Bernardino (10) and Long Beach (710) Freeways.
- Long Beach Freeway (northbound) exit at Ramona Boulevard
  - San Bernardino Freeway (east & westbound) exit at Eastern Avenue
  - Valley Boulevard (east & westbound) turn south on Mariondale



### Campus Map

- Administration - 8
- Anna Bing Arnold Children's Center - 30
- Applied Gerontology Institute - 15
- Arena Theatre - 2A
- Biological Sciences - 13
- Bunglows - L, Q, T, W, X
- Career Development Center - 17
- Corporation Yard - 23
- Dolcini (food services) - 40, 15A
- Engineering and Technology - 11
- Fine Arts - 9
- Fine Arts Gallery - 9A
- Golden Eagle (Bookstore, Conference Center, Food Court) - 6
- Gymnasium (Eagles Nest) - 10
- Hertzberg-Davis Forensic Science Center - 43
- Hydrogen Fuel Station - 48
- Intricate Theatre - 29B
- Jesse Owens Track and Field - 18
- Kennedy Library - 7
- King Hall - 3
- King Hall Lecture Halls I, II - 3A
- Los Angeles County High School for the Arts (LACHSA) - 7A
- Mary Facility - 20
- Luckman Gallery - 29A
- Luckman Theatre - 29
- Marc and Eva Stern Math and Science School - 26
- Music - 2
- Music Hall - 1A
- MASA SPACE Lab - 11A
- Physical Sciences - 12
- Public Safety/Parking Services - C
- New Facility - 46
- Reader Field (Baseball) - 24
- Saizari Hall - 19A
- Shipping and Receiving - 12
- Simpson tower - 15
- State Playhouse - 1
- Student Affairs (Admissions) - 8A
- Student Health Center - 14
- Student Housing Complex
- Phase I - 3A, Phase II - 36
- University Student Union - 5
- University Police - C
- Walls Amonberg Integrated Sciences Complex
- La Kretz Hall - 27A
- Wing B - 27B



- Construction
- Pay Parking
- Emergency Phones
- Food Services
- ATM