Program

36th Annual Meeting
The Psychonomic Society

Westin Bonaventure Hotel
404 South Figueroa Street
Los Angeles, CA 90071

Friday, Saturday, Sunday
November 10, 11, and 12, 1995

SPECIAL EVENTS / ANNOUNCEMENTS

REGISTRATION
Thursday, 4:00 p.m. - 8:00 p.m., California Foyer
Friday, 7:30 a.m. - 5:00 p.m., California Foyer
Saturday, 7:30 a.m. - 5:00 p.m., California Foyer

SYMPOSIA
Relations Between Conscious and Unconscious Cognition
Friday, 1:00 p.m. - 3:30 p.m., Emerald Bay Room
Working Memory and Language
Saturday, 1:30 p.m. - 4:00 p.m., San Diego Room

POSTER SESSIONS
Session I: Friday, 5:35 p.m. - 7:05 p.m., San Francisco/San Jose Room
Session II: Saturday, noon - 1:30 p.m., San Francisco/San Jose Room
Session III: Saturday, 5:45 p.m. - 7:15 p.m., San Francisco/San Jose Room
Authors will be at their posters during the three session times. Posters in the two evening sessions (Sessions I and III) will be available for viewing beginning at 3 p.m. each day. Posters in the noon session (Session II) will be available for viewing beginning at 10:30 a.m. on Saturday.

BUSINESS MEETING
Saturday, 5:15 p.m. - 5:45 p.m., Santa Barbara Room

HOSPITALITY
Thursday, 5:00 p.m. - 8:00 p.m., California Foyer
Friday, 5:35 p.m. - 7:05 p.m., San Francisco/San Jose Room
Saturday, 5:45 p.m. - 7:15 p.m., San Francisco/San Jose Room

FUTURE MEETINGS
1996 Chicago, November 1-3
1997 Philadelphia, November 21-23
**HOTEL**

The Westin Bonaventure Hotel, 404 South Figueroa Street, Los Angeles 90291 (213-624-1000) will be the meeting site. A room reservation form is enclosed with this program. It is very important that you make reservations as early as possible. They must be made by the hotel no later than October 8 in order to ensure room availability. Reservations may be faxed to the Regional Office at 213-612-4797. Please be sure to confirm a specific number for your reservation.

**SPECIAL AIRFARES**

American Airlines, in cooperation with the Psychonomic Society, is offering Meeting Saver fares which provide a 5 percent discount off any applicable roundtrip fare, including sale fares and first class, or a 10 percent discount off its round-trip, unrestricted day coach fare for attendees traveling within the U.S. on American. Ameritrans Travel to the Psychonomic Society Meeting in Los Angeles must be between November 5-20, 1995. Reservations must be made and tickets purchased at least 14 days prior to departure to receive a 10 percent discount. American's Meeting Saver fare offer is available by calling 1-800-433-1970, 7:00 a.m. to 10:00 midnight Central Time, seven days a week. Refer to Star file S89M2A5.

**TRANSPORTATION IN LOS ANGELES**

There are several van services providing transportation from the airport to the hotel. One is the Super Shuttles, which costs $24 round trip and runs approximately every half hour. Taxi service from the airport is approximately $24 one way.

**REGISTRATION**

Registration will be held at the California Foyer registration booth. Please register. Pre-printed name tags will be available for those listed as a presenter in the program. Presenters with a pre-printed name tag should still fill out a registration card so that the Society may obtain an accurate count of the number of attendees, and information on where individuals are staying.

**PROGRAMS**

Participants will be responsible for your program with you. Additional programs will be available at the registration desk for $7.00. Programs may also be purchased in advance by sending a check or bank draft in U.S. funds (made out to the Psychonomic Society) to: Program, Psychonomic Society, 1710 Fvertol Rd., Austin, TX 78744. The cost of an advance program is $3.00, or $5.00 for addresses outside North America.

**MEETING ROOMS**

Meeting rooms are located on the lobby level and the second and third levels of the hotel. A map showing the locations of these meeting rooms is provided on page 3.

**PSYCHOMETRIC TIME**

Persons checking sessions this year will be asked to keep the spoken papers scheduled on times standardized against a clock at the Psychometric registration desk. A standardized time band is intended to accommodate requests from attendees who wish to move from room to room on a close schedule to hear papers in spoken sessions. All attendees are invited to sympathize with their classmates with Psychometric time at the registration desk.

**GENERAL INFORMATION**

In accordance with Society policy, smoking is not permitted in the areas where papers are being given.

**HOSPITALITY**

On Thursday, November 9, there will be a general reception with appetizers and wine and coffee from 6:00 to 8:00 p.m. in the California Foyer near the registration booths. On Friday and Saturday, reception with cash bar will be held in the San Francisco Sun Room from 5:30 to 7:05 on Friday and from 5:30 to 7:15 on Saturday. Note that the reception is combined with the poster sessions on Friday and Saturday evening.

**THE PROGRAM**

The program was streamlined from 707 submitted abstracts, which is in accordance with the priorities specified by the Governing Board. The program contains 666 presentations, of which 336 are spoken papers and 330 are posters. Travel to the Psychometric Society Meeting in Los Angeles must be between November 5-20, 1995. Reservations must be made and tickets purchased at least 14 days prior to departure to receive a 10 percent discount. American's Meeting Saver fare offer is available by calling 1-800-433-1970, 7:00 a.m. to 10:00 midnight Central Time, seven days a week. Refer to Star file S89M2A5.

**SMOKING**

In accordance with Society policy, smoking is not permitted in the areas where papers are being given.

**FUNDING AGENCIES**

Attendees may obtain current information about federal funding opportunities at poster presentations made by program officers from NSF in poster Session I and II. (See Abstract 253 in Poster Session I and Abstract 598 in Poster Session II.)

**ADDRESS INDEX**

The printed program includes an address index which provides, for each scheduled presentation, an address to which correspondence may be directed.

**PROGRAM HISTORY**

1995—Los Angeles: 707 papers
1994—St. Louis: 667 papers
1992—St. Louis: 544 papers
1991—San Francisco: 728 papers
1990—New Orleans: 616 papers

**ORDER INFORMATION**

ELSVIER SCIENCE
Customer Service Department
P.O. Box 211, 100 All American Avenue
The Netherlands
Fax: +31 (0) 485 3432
E-mail: serviceteam@elsevier.com

**ACCESS**

Access to online proceedings is available for those who have paid for the conference on site. The cost of an advance program is $8.00, or $20.00 for addresses outside North America.

**MEETING ROOMS**

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GENERAL INFORMATION

CONFERENCE ORGANIZATION
This year the Psychonomic Society has contracted with Conferent Inc., to aid in conference planning and meeting organization. Your hotel room rate includes a small fee ($2.00) to help cover the cost of this service.

OTHER MEETINGS
Participants may be interested in the following meetings scheduled at the Westin Bonaventure immediately prior to or following the Psychonomic Society meeting.

- Society for Computers in Psychology
  Thursday, November 9 (see p. vi)
  (contact: Sarah Randell, Florida Atlantic University, 305-236-1119)

- Judgement/Decision Making Society
  Sunday afternoon and Monday, November 12 and 13
  (contact: Irwin Levin, University of Iowa, 319-335-2451)

- Tactile Research Group
  Thursday, November 9
  (contact: Catherine Redd, University of Denver, 303-871-4622)

- Roundtable Discussion on Relations between Conscious and Unconscious Processing, sponsored by the Association for the Scientific Study of Consciousness
  Sunday, November 12
  (contact: Bernard Baars, The Wright Institute, 510-841-9290)

OFFICERS OF THE SOCIETY
Chair
Lynn Hauser (1995)

Secretary/Treasurer
Randi Martin (1993-1995)

Secretary/Treasurer Elect
Roger Mellgren (1996-1998)

Governing Board
Lynn Hauser (1990-1995)
Elizabeth Loftus (1990-1995)
Lynn Cooper (1995-1996)
Elizabeth Capaldi (1992-1997)
Nad Johnson (1992-1997)
Larry Jacoby (1993-1996)
Michael Domjan (1994-1999)
James Neeley (1996-1999)

The names of two new members elected to the Governing Board for 1995-2000 will be announced at the Business Meeting on Saturday, November 12.

Randi C. Martin
Secretary-Treasurer
Dept. of Psychology
P.O. Box 1852, Rice University
Houston, TX 77251-1892
713-527-8101, Fax 527-8217
rmartin@rice.edu

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FUNCTION ROOMS - LOBBY LEVEL
(All functions are off the yellow tower.)

[Diagram of meeting room locations]

(Flip continues on the next page)
SMIP  
Society for Computers in Psychology  
Twenty-Fifth Annual Meeting  
November 9, 1995  
Meeting the day before Psychonomics, Westin Bonaventure Hotel  
Los Angeles, California (for hotel reservations, call 213 624-1000)  

Featuring (2:30-4:00pm)  
Steve Kirsch  
Developer of InfoSeek Search Engine, President of InfoSeek Corporation  

Steve Kirsch is a leader in the development of the practical use of the Internet and was one of the first to point out that finding information is the key to the productive use of the Internet. He is one of the most sophisticated analysts on the retrieval of information from the global network. Steve Kirsch has brought the cognitive revolution to the cultural storage and retrieval of information. His search and retrieval algorithm has made InfoSeek one of the four most heavily used sites on the World Wide Web. His search engine is generally accepted as the most sophisticated and flexible available. This approach has been regarded by some as offering critical new insights into storage and retrieval processes in the individual.

<table>
<thead>
<tr>
<th>SCiP Registration 1995</th>
<th>Before</th>
<th>After</th>
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<tr>
<td><strong>Registration</strong></td>
<td>Nov. 1</td>
<td>Nov. 1</td>
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<tr>
<td>SCiP Member (as of Nov. 1995)</td>
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<td>$20.00</td>
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<tr>
<td>Psychonomics Member</td>
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<tr>
<td>Non-Member</td>
<td>$25.00</td>
<td>$30.00</td>
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<tr>
<td>Student</td>
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<td>$10.00</td>
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<tr>
<td>Conference Proceedings</td>
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<td>(May, 1996 issue of Behavior Research Methods, Instruments, &amp; Computers; $5.00 for students)</td>
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<td>Annual Subscription to Behavior Research Methods, Instruments, &amp; Computers (1995)</td>
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<tr>
<td>SCiP Membership (for 1995-96 year)</td>
<td>$15.00</td>
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<td><strong>Check if new member</strong></td>
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Net Registration or Program Request to:  
Kath Bashoff  
Department of Psychology  
Florida Atlantic University  
B. 54114  
Office: Phone: 305 289-1121  
nuds@lady.bacu.edu  

*Total remitted  
(Please make checks payable to Society for Computers in Psychology; remittance in U.S. dollars)

(Session, Symposium and Tutorial Schedule on following page)
**SATURDAY AFTERNOON**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Room</th>
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<tbody>
<tr>
<td>1:30-4:00</td>
<td>Symposium II: Working Memory and Language (430-435)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:05</td>
<td>Recovered Memory/False Memory I (436-439)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Spacial Perceptions (440-444)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Developmental Motor Processes (445-449)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Animal Cognition: Spatial Memory (450-455)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Perception and Action (456-461)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Problem Solving II (462-466)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Recovered Memory/False Memory II (467-469)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Letter/Word Processing III (470-474)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Visio II (475-479)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Cognition (480-483)</td>
<td>San Diego Room</td>
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<tr>
<td>1:30-3:10</td>
<td>Motor Control (484-487)</td>
<td>San Diego Room</td>
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**SATURDAY EVENING**

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<tr>
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<tbody>
<tr>
<td>5:15-5:45</td>
<td>General Business Meeting</td>
<td>Santa Barbara Room</td>
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<td>5:45-7:15</td>
<td>Poster Session III (488-596)</td>
<td>San Francisco room</td>
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**SUNDAY MORNING**

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<th>Time</th>
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<tbody>
<tr>
<td>8:00-10:00</td>
<td>Object- and Space-Based Attention (399-603)</td>
<td>San Diego Room</td>
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<tr>
<td>8:00-10:00</td>
<td>Impaired Memory II (604-609)</td>
<td>San Diego Room</td>
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<tr>
<td>8:00-10:15</td>
<td>Letter/Word Processing IV (610-616)</td>
<td>San Diego Room</td>
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<tr>
<td>8:00-10:15</td>
<td>Judgement and Decision Making I (616-622)</td>
<td>San Diego Room</td>
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<tr>
<td>8:00-10:15</td>
<td>Animal Learning and Cognition (623-626)</td>
<td>San Diego Room</td>
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<tr>
<td>8:00-10:25</td>
<td>Visual Information Processing (629-633)</td>
<td>San Diego Room</td>
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<td>8:00-10:30</td>
<td>Negative Priming (636-640)</td>
<td>San Diego Room</td>
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<tr>
<td>8:00-10:30</td>
<td>Recognition Memory II (641-646)</td>
<td>San Diego Room</td>
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<tr>
<td>8:00-10:35</td>
<td>Psychobiology II (647-652)</td>
<td>San Diego Room</td>
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<tr>
<td>10:15-12:15</td>
<td>Timing Perception and Production (653-668)</td>
<td>San Diego Room</td>
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<tr>
<td>10:00-12:00</td>
<td>Animal Learning Response/Reinforcement Effects (659-664)</td>
<td>San Diego Room</td>
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<tr>
<td>10:15-12:15</td>
<td>Santa Barbara Room</td>
<td>San Diego Room</td>
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</tbody>
</table>
Friday Morning

Húmeros Learning/Neuro II (17-76), San Diego Room
8:30-10:56 Liebman & McLean (38)
10:56-11:44 Lessow, Guthrie, & Bills (39)
11:52-11:56 Herndon & Strieff (40)
11:56-12:00 McCann & Reyes (41)
12:00-12:05 Anderson (42)
12:05-12:20 McGloughlin (43)

Conscious/Lose awareness Cognition (44-49), Emerald Bay Room
9:40-10:00 Merkle & Daneman (44)
10:00-10:25 Grapapoulos, Linesky, & Kelley (45)
10:25-10:40 Whitehouse & Wrigo (46)
10:40-10:55 Kahanowitz, Cone, Novacek, & Powell (47)
11:00-11:25 Kinnunen (48)
11:25-11:30 Klein & Klimbroth (49)

Psychiatric Neurology I (50-59), Avalon Room
10:15-10:38 Traboulay, Maglione, & Latusik (50)
10:40-11:00 Gergg, McKown, & Greens (51)
11:00-11:20 Cutic, Nuck, & Beck (52)
11:25-11:45 Schwartz, Dell, Martin, Sulfan, & Gagnon (53)
11:50-12:05 James & Byrne (54)
12:00-12:20 Kellage (55)

Pattern Recognition II (60-69), San Gabriel Room
10:35-10:55 Kato, Hulomiere, & Friedberg (56)
11:00-11:15 Silton (57)
11:20-11:35 Wender & Bergholz (58)
11:40-11:50 King (59)
12:00-12:20 Ratliff & Vintzile (60)

Social-Emotional Processes (61-65), Santa Barbara Room
10:15-10:45 Wissner (61)
10:45-11:00 Visscher, Sillers, & Evans (62)
11:00-11:05 Bailey (63)
11:05-11:15 McColl, Stewart, & Skir (64)
12:00-12:15 Love & Zavagno (65)

Humana Performance (66-70), Santa Anita Room
10:35-10:45 Lonblum & Zhang (66)
11:00-11:20 Cohen (67)
11:20-11:30 Hendorff (68)
11:45-12:00 Yezer & Han (69)
12:05-12:20 Upka & Prinz (70)

FRIDAY AFTERNOON

Humnos Learning/Neuro II (17-76), San Diego Room
1:00-1:15 Rethihow, Duane, & Telf (71)
1:00-1:20 Dalo, Callas, Paula, & Pillai (72)
1:15-1:25 Wolf (73)
1:20-1:25 Day (74)
1:20-1:25 Irschei, Brandstetter, & Vork (75)
1:20-1:30 Jos, Aldridge, Salinas, & Luna (76)
1:20-1:30 1's (77)

Symposium II: Relations Between Conscious and Unconscious Cognition (78-83), Emerald Bay Room
1:00-1:15 Klimbroth (78)
1:15-1:25 Koshlau, Duane, & Day (79)
1:20-1:25 Merkle & Daneman (79)
1:20-1:25 Baurn & Steinick (80)
1:20-1:25 Koch (81)
1:25-1:30 Ramachandran (82)
1:30-1:35 Bogen (83)

Speech Perception (84-89, Avalon Room
1:06-1:20 Jaczky, Holm, & Basman (84)
1:25-1:40 Tavakin (85)
1:40-1:50 Vroomen & de Gelder (86)
1:50-1:55 Samuel (87)
2:00-2:25 Frauenshild, Conduit, & Schent (88)
2:20-2:30 Renz, Fellows, & Rubin (89)

Memory Development (90-96), San Gabriel Room
1:10-1:15 Leis & Newcomer (80)
1:15-1:25 Hovis, Kalinowski, & Yenter (91)
1:20-1:25 Turner & Gilpin-McCitt (92)
1:25-1:30 Innsen-Peterson, Wayne, & McCaffrey (93)
2:00-2:15 Smith, Park, & Wright (94)
2:20-2:30 Raff, Dammle, & Gunning (95)

Vision I (97-103), Santa Barbara Room
1:00-1:10 Anderson & Aythorl (97)
1:00-1:20 Peabody (98)
1:00-1:15 Yeuser (99)
1:20-1:30 Tavakol, Patterson, & Oud (100)
1:20-1:30 Hie (101)
1:20-2:30 Shipples, Kofman, & Consuegr (102)

FRIDAY AFTERNOON

Implicit Memory I (104-115), San Diego Room
3:10-3:25 Brand & Alexander (99)
3:25-3:40 Mclean & Rentfrow (100)
3:40-3:55 Scholl (101)
4:00-4:15 Klein & Steinbrock (102)
4:10-4:25 Greene, Stavoliv, & Enohe (103)
4:25-5:10 Fratt & Glodine (110)
5:10-5:20 1's (111)

Inhibition of Return (116-119), Emerald Bay Room
3:40-4:00 Rabbi (112)
4:05-4:20 Mooney & Rosenquist (117)
4:30-4:40 Abrams, Pratt, & O'Neal (118)
4:40-5:05 Nakayuma, Mokkhov, & McPeek (119)

Repetition/Priming Effects (120-126), Avalon Room
3:20-3:35 Gerbas (110)
3:40-3:45 Marmont & Thriss (111)
3:45-4:10 Collibert & Langdon (122)
3:45-4:45 Stucker & Hansberger (123)
4:05-5:05 Rucke, Rovel, Riner, & Misalski (124)

Language/Disorder Processing I (127-130), San Gabriel Room
3:25-3:40 Greaves, Bowen, & Bummary (125)
3:45-3:50 Siegel & Segal (126)
4:00-4:25 Keeny (127)
4:20-4:25 Kroup, Kaisler, Copperball, Alves, & Richter (128)
4:50-4:55 Katz & Penn (129)
5:10-5:25 Gobacker & Keeler (130)

Neurobiology of Learning and Memory (131-137), Santa Barbara Room
3:10-3:20 Gibbon, Malagui, Hehrenmann, DeWet, Mek, & Agui (131)
3:20-3:45 Skokoun, Smoak, Simes, Clark, & Thompson (132)
3:45-4:00 Minor, Woodrow, & Stade (133)
4:15-4:30 Siegel & Larson (134)
4:20-4:30 Clark & Porter (135)
4:30-4:55 Williams & Hunsperger (136)
5:15-5:25 Green (137)

Perception (138-142), Santa Anita Room
3:20-3:40 Lee & Lin (138)
3:45-3:55 Sedgwick & Bloom (139)
4:00-4:10 Sckler & Menges, & Span (140)
4:15-4:30 Latta & Stang & Strep (141)
4:35-4:55 Porzio, Barbazul, & Aspin (142)