Conference rooms are located as noted below:

Please refer to the hotel diagram for the locations of the sessions scheduled in individual rooms.

Mathematics: Assessment, Learning and Technology

RCDPM
22nd Annual Conference
February 17 - 19, 1995
Alexis Park Resort
Las Vegas, Nevada
Research Council for Diagnostic and Prescriptive Mathematics

22nd Annual Conference

Mathematics: Assessment, Learning and Technology

February 17 - 19, 1995
Alexis Park Resort
Las Vegas, Nevada
RCDPM Mission Statement

RCDPM seeks to stimulate, generate, coordinate, and disseminate research efforts designed to understand and/or overcome factors that inhibit maximal mathematics learning.

RCDPM Executive Board

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1995 Program Chair - Bea Babbitt

Saturday, February 18, 1995

8:00am - 8:50am Presentations  Room

3. Enriching Portfolios: The Effects of Journal Writing

Presents quantitative and qualitative results showing the effects of journal writing in elementary mathematics methods class. Examples of portfolios, journal writings, and assessment techniques will be shared.

Sheryl A. Maxwell
University of Memphis
Memphis, TN

24. Using Writing Prompts in Conjunction with Graphing Calculator Exercises to Enhance Students' Conceptualization of Algebra

Report a method of providing students with an opportunity to construct and restructure their concepts of algebra.

David K. Pugalee
J. F. Webb High School
Oxford, NC

25. Diagnosing for Success: A Case Study in the College Developmental Classroom (How, When, and Why)

Explore the use of error analysis and subsequent group and individual instruction at the college level.

Barbara Sunderland Rives
Lamar University at Orange
Orange, TX

26. The Governor's Minority College Awareness Program (MCAF): One Way to Increase the Mathematics Pipeline

Explore techniques for improving African-American students' interest in mathematics, problem-solving skills, and awareness of the contributions of Africans and African-Americans to mathematics.

Marilyn Struchwies
University of Kentucky
Lexington, KY
Saturday, February 18, 1995

9:00am - 10:15am Apollo 3 - 8

27. John Wilson Memorial Lecture
   Presenter: Martin Johnson, President, RCDPM
   Speaker: John Bransford
   Vanderbilt University
   Nashville, TN

   Changing Technologies - Impact on Mathematics Learning

10:15am - 10:30am BREAK Apollo Foyer

10:30am - 11:20am Presentations Apollo 1

   Reports on partnership efforts to develop authentic assessment strategies for use by all teachers in a K - 4 school.
   Sandra L. Atkins
   Lynn Cowen
   John Federer
   Michael-Lynn Jackson
   Marlene Lucci
   Ray Skitzi
   Cleveland State University
   Cleveland, OH

29. The Development of Students' Conceptions of Graphical Models of Linear and Non-Linear Functions
   Reports on students' conceptions concerning "rate of change" models of linear and non-linear functions. Patterns of conceptual development across middle grades, high school, and college will be explored.
   Wendy N. Coulombe
   Sarah Berenson
   North Carolina State University
   Raleigh, NC

30. Assessment of Real Life Activities for Middle Level Children
   Discusses alternative forms of assessment to determine extent and value of learning and conceptual understanding developed using real-life activities and graphing calculators.
   Dixie Metheny
   David Davidson
   Ken Miller
   Montana State University-Billings
   Billings, MT

31. How Well Do People Evaluate Critical Thinking?
   Provides opportunity to evaluate critical thinking and compare responses to those of preservice and inservice teachers.
   Melfried Olson
   Judith Olson
   Western Illinois University
   Macomb, IL

32. The Effect of Computer-Assisted Instruction on Gender Differences in African-American Postsecondary Students' Achievement and Attitudes Towards Mathematics
   Reports on the achievement and attitude effects of computer-assisted instruction for college freshmen in remedial mathematics classes.
   Emel W. Owens
   University of Houston-Clear Lake
   Houston, TX
   Hershel C. Waxman
   University of Houston-University Park
   Houston, TX

33. Meet the Speaker Forum: Research Implications
   Provides opportunity to discuss with the guest speaker possible research questions and methodologies regarding changing technologies and their impact on mathematics learning.
   John Bransford
   Vanderbilt University
   Nashville, TN
Using Analytic and Reflective Logs to Facilitate Metacognition in Preservice Teachers

Bonita C. White
Drake University
Des Moines, IA

INDEX TO PRESENTERS

Presenter/Session(es)
Alexander, Shirley (36)
Atkins, Sandra L. (28)
Barnett, Carrie (19)
Berenson, Sarah (29)
Bergman, Judy (13)
Boliver, David E. (42) (51)
Bouinaev, Mikhail (20)
Brahler, Daniel J. (1)
Bransford, John (27) (33)
Brant, James (49)
Bright, George W. (14)
Brosnan, Patricia A. (43)
Brown, Darrell (3)
Brown, Sue (2)
Callahan, Kevin (15)
Callahan, Roy (17)
Cottier, Mary (54)
Coulumber, Wendy L. (29)
Cowane, Lynn (29)
Cummings, Jerry (50)
Davison, David (50)
Dietz, Chuck (50) (52)
Dockweiler, C. J. (3) (50) (52)
Falke, Chris (1) (21)
Federer, John (28)
Fleming, Jayne (53)
Ford, Marilyn Sue (7)
Friedman, Jane (15)
Garofalo, Joe (52)
Gittinger, Dennis (44)
Green, Janice M. (16)
Green, Clyde L. (22)
Guerra, Alberto L. (54)
Henderson, Karen (3)
Hines, Ellen (35)
Hopkins, Martha H. (52)
Jackson, Michael-Lynn
Jamar, Ida (4) (51)
Johnson, Martin (49)
Johnson, Rikki (36)

Presenter/Session(es)
Jones, Paul (8)
Kidd, Dawn Hoyt (37)
Knuth, Eric J. (45)
Lamb, Charles E. (37) (51)
Lamphere, Patricia M. (55)
Litz, Kathleen L. (7)
Lucci, Marlene (28)
Majdalani, Mona C. (46) (50)
Mather, Jeanne R. (38)
Maxwell, Sheryl A. (23)
McDonald, Edward (47) (51)
Metheny, Dixie (30)
Miller, Ken (50)
Olson, Melfried (31) (50)
Olson, Judith (31)
Ortiz, Enrique (39)
Owens, Emil (32) (51)
Pagliaro, Claudia M. (40)
Pereyra, Maria S. (41)
Pinechock, Carolyn L. (56)
Pound, Reza Rose (10)
Puglisi, David K. (24)
Quinn, Robert J. (48)
Rives, Barbara Sunderland (26)
Rovin, Michele (40)
Schmidt, Mary Ellen (11)
Skitzki, Ray (28)
Speer, William R. (1)
Stahlheber, Yerlyn (5)
Strawser, Sherry (8)
Strickenhof, Marilyn (26) (49) (51)
Tebbes, Richard (9)
VanVactor, John (8)
Walsh, Crystal (7)
Waxman, Herikott C. (32)
White, Bonita (34)
Whitman, Darlene (35)
Wyer, George A. (6)
Yawn, Maral (18)
Zollman, Alan (12)

Electronically-Generated Representations of Functions: The Role of Technology in the Formation of Conceptions and Misconceptions

Ellen Hines
Northern Illinois University
DeKalb, IL

Darlene Whitman
Indiana University
Bloomington, IN

Problem Solving Instruction for LD Mainstreamed Students

Rikki Johnson
Clark County School District
Las Vegas, NV

Calculators and Middle-school Students’ Learning of Decimal Concepts

Shirley Alexander
Clark County School District
Las Vegas, NV

12
# RCDPM 1995 Conference Program

Plan your conference here:

<table>
<thead>
<tr>
<th>Time</th>
<th>Session #</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Friday</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00pm - 1:50pm</td>
<td>Session # 2</td>
<td></td>
</tr>
<tr>
<td>2:00pm - 2:50pm</td>
<td>Session # 7</td>
<td></td>
</tr>
<tr>
<td>2:50pm - 3:15pm</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>3:15pm - 4:05pm</td>
<td>Session #</td>
<td></td>
</tr>
<tr>
<td>4:30pm - 6:00pm</td>
<td>Keynote Speaker</td>
<td>Apollo 5 - 8</td>
</tr>
<tr>
<td>7:00pm - 9:00pm</td>
<td>Dinner</td>
<td>Zeus A</td>
</tr>
<tr>
<td><strong>Saturday</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00am - 8:50am</td>
<td>Session #</td>
<td></td>
</tr>
<tr>
<td>9:00am - 10:15am</td>
<td>John Wilson Memorial Lecture</td>
<td>Apollo 3 - 8</td>
</tr>
<tr>
<td>10:15am - 10:30am</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>10:30am - 11:20am</td>
<td>Session #</td>
<td></td>
</tr>
<tr>
<td>11:45am - 1:30pm</td>
<td>Lunch/Annual Meeting</td>
<td>Market Place</td>
</tr>
<tr>
<td>1:45pm - 2:35pm</td>
<td>Session #</td>
<td></td>
</tr>
<tr>
<td>2:45pm - 3:35pm</td>
<td>Session #</td>
<td></td>
</tr>
<tr>
<td>3:35pm - 4:00pm</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>4:00pm - 5:30pm</td>
<td>Panel #</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dinner on your own</td>
<td></td>
</tr>
<tr>
<td><strong>Sunday</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:00am - 8:30am</td>
<td>Breakfast Buffet</td>
<td>Alexie Gardens</td>
</tr>
<tr>
<td>8:30am - 9:50am</td>
<td>Panel #</td>
<td></td>
</tr>
<tr>
<td>10:00am - 10:50am</td>
<td>Session #</td>
<td></td>
</tr>
<tr>
<td>11:00am - 11:30am</td>
<td>Closing</td>
<td>Zeus A</td>
</tr>
</tbody>
</table>