MCST SIGMAA
Math Circles for Students and Teachers
Math Fest2014 Portland
Activities Pocket Guide

🔴 Hilton Ballroom Parlor Level C
🟩 Hilton Ballroom Level Ballroom II
🔺 Hilton Plaza Level Pavillion East

🔴 **FRIDAY 8/8** 10:15-10:25 AM

From the Contributed paper Session on Teaching or Learning Calculus
Math Circle Problems in the Calculus Classroom Cynthia Northrup UC Irvine

🔴 **FRIDAY 8/8** 1:00-2:25 PM

From the Contributed paper Session on Outreach (5 papers – see list on the reverse)

🟩 **FRIDAY 8/8** 2:35-3:55 PM

Problems well-suited for math circles

🔺 **SATURDAY 8/9** 9:00-9:55 AM

MATH CIRCLE DEMONSTRATION

🔺 **SATURDAY 8/9** 10:35-11:25 AM

MATH WRANGLE

Please visit the NAMC/SIGMAA on Circles booth in the Exhibits area.

MORE DETAIL IS AVAILABLE ON THE REVERSE

National Association of Math Circles – booth activities and other information at
https://www.mathcircles.org/content/math-fest-2014

ABSTRACTS & DETAILS

OUTREACH August 8

1:00 p.m. - 1:10 p.m.
Texas A&M Math Circle: Structure and Activities

Philip B. Yasskin, Texas A&M University
Alex Sprintson, Texas A&M University
Kaitlyn Phillipson, Texas A&M University
Trevor Olsen, Texas A&M University
Frank Sottile, Texas A&M University

1:15 p.m. - 1:25 p.m
The UCI Math Circle:
Afternoons of Mathematical Investigations
for Middle and High School Students

Leesa Anzaldo, University of California, Irvine
Timmy Ma, University of California, Irvine
Cynthia Northrup, University of California, Irvine
Alessandra Pantano, University of California, Irvine

1:30 p.m. - 1:40 p.m.
National Association of Math Circles,
First National Survey Results
Brandy S Wiegers, NAMC, Central Washington University

1:45 p.m. - 1:55 p.m.
Southern Connecticut State University's GEAR UP
Summer Mathematics Program
Klay Kruczek, Southern Connecticut State University

2:00 p.m. - 2:10 p.m.
Supporting Mathematics Research Projects for
Advanced High School Students
Daniel Teague, NC School of Science and Mathematics

2:15 p.m. - 2:25 p.m.
Encouraging STEM Majors to Consider a Career in Teaching
Through
Nonprofit Partnership
Stephanie Anne Salomone, University of Portland

MATH CIRCLES PROBLEMS PANEL

Choosing a problem which is suitable for a math circle session is arguably the most important task for a circle leader. Good problems are crucial not only for a single session – the success or a failure of a math circle depends on problems presented to participants. But what makes a problem good? Which problems and topics are suitable and why? At the session, a sequence of experienced math circle leaders will present their ideas and share handouts that describe how to run a math circle on a particular topic. A general discussion will follow these presentations.

Panelists

Brian Conrey, American Institute of Mathematics
Elgin Johnston, Iowa State University
Amanda Serenevy, Riverbend Community Math Center
James Tanton, Mathematical Association of America
Paul Zeitz, University of San Francisco

MATH CIRCLE DEMONSTRATION

For local area students and conference Attendees
ORGANIZERS
Philip Yasskin, Texas A&M University;
Paul Zeitz, University of San Francisco;
Japheth Wood, New York Math Circle;
Craig Daniels, PDX (Portland) Math Circle