

# MICHIGAN 2011 REPORT

## IBL WORKSHOP IN MAY

Organizers: Breslin, Canary, Spatzier, Uribe

44 out of town participants

82 total participants

8 external presenters:

Boller, Jacob, Laursen, Mummert, Petersen,  
Schumacher, Starbird, Yoshinobu

20 local presenters

Breslin, Bennett, Bou-Rabee, Breslin, Brown, Canary,  
Dorais, Duchin, Ji, Kessenich, Lagarias, Lai, Lyons,  
Mesa, Radosevich, Rhea, Shure, Stover, Uribe,  
Whittemore, Zieve

# MICHIGAN 2011 REPORT

participants from all over the nation:

Hawaii, California, Oregon, Wyoming, Arizona,  
Texas, Tennessee, Florida, New Jersey, Connecticut,  
Ohio, Indiana, Illinois, Michigan

and many colleges and universities:

Bloomsburg U, CalPoly, Clarkson U, dePaul U,  
Eastern Michigan U, Edinburg U, FHSU, Humboldt  
State, Indiana U, IUP, Johns Hopkins, Kent State,  
Kenyon C, Kutztown University, Marshall U,  
Minot State U, Ohio State U, Peru State C, Providence,  
PSU Erie, Rider U, TAMU, Texas Lutheran, U Texas,  
Villanova, Minot State, U Arizona, UCSB, U Colorado,  
U Delaware -SOE, U of Hawaii, U Kentucky, U North  
Texas, USMA West Point, U Texas, U Wyoming,  
Wellesley, Wesleyan, Westminster C, Willamette,  
Valparaiso, Villanova, Wartburg C, Westminster C,  
Yale and

U Michigan (Ann Arbor, Dearborn and Flint)

# MICHIGAN 2011 REPORT

## Main Themes

WHAT IS IBL?

FRESHMAN EXPERIENCE

MATH MAJORS AND IBL

MATH ED

ASSESSMENT

## Structure

Presentations and break-out sessions

# MICHIGAN 2011 REPORT

## Sample Program

### MORNING

### MATH MAJORS AND IBL

9:00

REFRESHMENTS

9:30 - 12:00

#### *IBL Analysis and Topology*

Bill Breslin, Khalid Bou-Rabee, Mort Brown,  
Richard Canary, Carl Mummert

### AFTERNOON

### MATH MAJORS AND IBL

1:00 - 2:00

#### *Introducing Proof Using IBL*

Carol Schumacher

2:10 - 2:45

#### *Chance and Choice - Novices Teaching a New IBL Course*

Alexander Barvinok, Chris Lyons, Ralf Spatzier

2:50 - 3:00

#### *IBL Modules*

Ralf Spatzier

3:00

REFRESHMENTS

3:30

### BREAKOUT SESSIONS

East Hall 1060

#### *Math Ed*

Bennett, Duchin, Lai, Radosevich, Uribe

East Hall 1096

#### *Math Major*

Barvinok, Breslin, Bou-Rabee, Brown, Canary  
Lyons, Mummert, Schumacher, Spatzier

# MICHIGAN 2011 REPORT

## THANKS

NSF CCLI Program & U of Michigan

all the presenters and participants

Sandra Laursen and her group for  
assessment

## FOR MORE INFO

See our Webpage -  
google michigan ibl workshop

**MICHIGAN 2011 REPORT**

**OTHER INFO**

ASSESSMENT REPORT

CONTINUE TEACHING AND  
DEVELOPING IBL CLASSES FOR  
FRSHMEN, MATH MAJORS AND MATH  
ED STUDENTS

TRAIN POSTDOCS AND GRADUATE  
STUDENTS IN IBL

**MICHIGAN 2011 REPORT**

IBL LUNCHEES

IBL INFILTRATION

IBL MODULES

DIFF EQUATIONS

**THANKS!**

TO HARRY LUCAS AND THE EAF