

The NINTH International Workshop
Applied Category Theory
Graph-Operad-Logic

The University of Texas at San Antonio
The Department of Mathematics

March 14–19, 2011 <http://math.utsa.edu>

<http://indico.nucleares.unam.mx/conferenceDisplay.py?confId=475>

http://www.cuautitlan.unam.mx/taller_matematicas/index.html

SCHEDULE Version March 9, 2011

Downtown Buena Vista Street and Frio Street, Room 1.338

Schedule

8:45 am - 10:45 am - Coffee. Question: can be from 8:15 ?

9:00 am - 10:30 am - Scientific Program. Each lecture 25-30 minutes.

10:30 am - 10:45 am - Break

10:45 am - 12.15 pm - Scientific Program

12:15 pm - 2:15 pm - Lunch

2:00 pm - 4:00 pm - Coffee

2:15 pm - 3:15 pm - Scientific Program

3:15 pm - 3:30 pm - Break

3:30 pm - 5:00 pm - Scientific Program

Monday, March 14, 2011

Categorical Thermodynamics

Chairman: Sandy Norman

8:30 – 8:45 Inauguration (George Perry - Dean of College of Sciences,
Sandy Norman - Chair Department of Mathematics, Wene, Oziewicz)

8:50 – 9:25 Józef Przytycki: Daily Course **Homology of distributive structures: from Boolean algebras to spectral sequences.**
Lecture ONE: Distributivity versus associativity

9:30 – 9:55 Robert M. Kiehn

10:00 – 10:30 Robert M. Kiehn

Chairman: Robert Kiehn

10:45 – 11:10 Hernando Quevedo

11:15 – 11:40 Hernando Quevedo

11:45 – 12:15 Jerzy Kocik

Chairman: Hanna Ewa Makaruk

2:15 – 2:40 Tepper L. Gill + Woodford William Zachary

2:45 – 3:15 Gonzalo Ares de Parga Alvarez

Chairman: Woodford William Zachary

3:30 – 3:55 Robert Owczarek

4:00 – 4:25 Hanna Ewa Makaruk

4:30 – 5:00 Benjamin Nieto

Tuesday, March 15, 2011

Loops + Relativity

Chairman: Zbigniew Oziewicz

8:30 – 9:55 Józef Przytycki: Daily Course **Homology of distributive structures: from Boolean algebras to spectral sequences.**

Lecture TWO: Semigroup of binary operations

9:00 – 9:25 Liudmila Sabinina

9:30 – 9:55 Larissa Sbitneva

10:00 – 10:30 Jerzy Kocik

Chairman: Jerzy Kocik

10:45 – 11:10 Al F. Kracklauer

11:15 – 11:40 Tepper L. Gill

11:45 – 12:15 Cynthia Kolb Whitney

Chairman: Tepper L. Gill

2:15 – 2:40 Zbigniew Oziewicz

2:45 – 3:15 Adan Rubén Rodríguez Domínguez

Chairman: Robert Owczarek

3:30 – 3:55 Leonardo Traversoni

4:00 – 4:25 Aleksander Tsybin

4:30 – 5:00 Tannia Cristal Vazquez Carillo

Wednesday, March 16, 2011

Gravity + Frobenius + Apollonius

Chairman: Zbigniew Oziewicz

8:30 – 9:55 Józef Przytycki: Daily Course **Homology of distributive structures: from Boolean algebras to spectral sequences.**

Lecture THREE: One term distributive homology

9:00 – 9:25 José Antonio Vallejo

9:30 – 9:55 Andrzej Borowiec

10:00 – 10:30 Patrick L. Nash

Chairman: Józef Przytycki

10:45 – 11:10 Gregory Peter Wene

11:15 – 11:40 Zbigniew Oziewicz + William S. Page

11:45 – 12:15 William S. Page

Chairman: Manuel Berriozabal

2:15 – 2:40 Jerzy Kocik

2:45 – 3:15 Zachery A. Sharon, Elliptic curves

Chairman: José Antonio Vallejo

3:30 – 3:55 Andrzej Borowiec

4:00 – 4:25 Fernando Estaban Izaurieta Aranda

4:30 – 5:00 Dalia Cervantes Cabrera

River Tour in old boat at night

20:30 – 22:00 Totally gratis

Thursday, March 17, 2011

Knots + Algebraic topology

Philosophy + Computability + Homology

Chairman: Mahima Ranjan Adhikari

8:30 – 9:55 Józef Przytycki: Daily Course **Homology of distributive structures: from Boolean algebras to spectral sequences.**
Lecture FOUR: Rack and quandle homology

9:00 – 9:25 Louis H. Kauffman

9:30 – 9:55 Louis H. Kauffman

10:00 – 10:30 Robert M. Kiehn

Chairman: Louis H. Kauffman

10:45 – 11:10 Mahima Ranjan Adhikari

11:15 – 11:40 Carlos César Jiménez

11:45 – 12:15 Carlos César Jiménez

Chairman: Gregory Peter Wene

2:15 – 2:40 Valentina Harizanov

2:45 – 3:15 Valentina Harizanov

Chairman: Józef Przytycki

3:30 – 3:55 Jerzy Kocik

4:00 – 4:25 Jing Wang

4:30 – 5:00 Gregory Mezera

Friday, March 18, 2011

Quantum Information + Topos

Chairman: Bertfried Fauser

8:30 – 9:55 Józef Przytycki: Daily Course **Homology of distributive structures: from Boolean algebras to spectral sequences.**

Lecture FIVE: Homology of Boolean algebras

9:00 – 9:25 David Ritz Finkelstein

9:30 – 9:55 David Ritz Finkelstein

10:00 – 10:30 Louis H. Kauffman

Chairman: David Ritz Finkelstein

10:45 – 11:10 Louis H. Kauffman

11:15 – 11:40 Bertfried Fauser

11:45 – 12:15 Bertfried Fauser

Chairman: Hanna Ewa Makaruk

2:15 – 2:40 Salvador Venegas Andraca

2:45 – 3:15 Al F. Kracklauer

Chairman: Salvador Venegas Andraca

3:30 – 3:55 Al F. Kracklauer

4:00 – 4:25 Al F. Kracklauer

4:30 – 5:00 Al F. Kracklauer

Saturday, March 19, 2011

8:30 am – 5:00 pm American Mathematical Society Meeting

7:00 pm – ∞ BANQUET totally free

Sunday, March 20, 2011, departure day