

The 2008 Fall Student Conference

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Conference committee
Dr. Jin, Tongdan (Chair)
Dr. Ni, Qingwen
Dr. Oshima, Chihiro
Dr. Wu, Fuming

Presentation Room : Student Center 120
Presentation Date: Friday, Nov 21 2008



Opening Speakers (in WHTC 116)
Dr. Rex Ball (COAS Interim Dean)
Dr. Ray Bachnak (Math Department Chair)

Keynote Speaker:
Mr. Kenneth Hodges (from NASA-Johnson Space Center) in WHTC 116 from 12-1pm on Nov 21



Prizes Award Time starts at 6:20pm, right after Session D (see next page)

Judge Team

Session A: Drs. Hinojosa*, Goonatilake
Session B: Drs. Ni*, Lin
Session C: Drs. Sung*, Belkhouche
Session D: Drs. Wu*, Belkhouche
*Indicates the professor is also the moderator
Poster Judge: Drs Lin, Belkhouche



Schedule on Nov. 21, 2008

11:00-12:00 (noon) Social Activities in WHTC 116

Free pizza and beverages

12:00-12:15pm Opening Speakers in WHTC 116

Dr. Rex Ball (COAS Interim Dean)

Dr. Ray Bachnak (Math Department Chair)

12:15-1:15pm Keynote speaker in WHCT 116

Mr. Kenneth Hodges from NASA

Session A, 1:30 to 2:20pm in SC 120

1. Car Engine and Their Design

Calzada, Ramon (So), Enriquez, Gerardo (So)

Supervisor: Dr. Belkhouche

2. My Mortgage Crisis

Andrea Gonzalez (Art Sr), Supervisor: Dr. Jin

3. Symmetries in Euclidean Geometry

Jorge L. Guerrero (Jr.), Supervisor: Dr. Chappa

4. Trusses

Jose Vargas (Jr), Eliud de los Santos (Jr)

Supervisor: Dr. Belkhouche

5. Our Synthetic Future

Abel Medellin (Jr), Ronald Newton (Jr), Supervisor: Dr. Belkhouche

Session B, 2:30 to 3:20pm in SC 120

6. Earn Thousands by Simply Opening Your Mailbox

Angelita Flores (So), Jennifer Castillo (So), Supervisor: Dr. Jin

7. The Large Hadron Collider

Andres Rubio (Sys. Engr., Jr), Ramon Sanchez (Sys. Engr, Jr)

Javier Torres (Systems Engineering, Jr), Supervisor: Dr. Belkhouche

8. Topography of an Object: Detection and Display/Hardware

Abel Medellin (Jr), Supervisor: Dr. Bachnak

9. Topography of An Object: Detection and Display (Software)

Andres Rubio (Systems Engineering, Jr)

Jaime Garcia (Systems Engineering, Jr)

Dr. Rafic Bachnak,

10. Design and Development of A Video Game Software

Jeffrey Gonzalez (ECHS)

Session C, 4:00 to 5:00 pm in SC 120

11. Reinforced Concrete vs. Pre-Stressed Concrete

Roel Pena

Supervisor: Dr. Fethi Belkhouche

12. Three Gorges Dam

Cristobal Molina Jr. (Math 8-12, Sr)

Supervisor: Dr. Belkhouche

13. The Place You Call Your Own

Stephanie A. Llanes (Undecided, Fr)

Supervisor: Dr. Jin

14. Magic Squares on Affine Planes

Alejandro Berrios (ECHC), Joshua Alexander Champion (EHC)

Cristina Elizabeth Sanchez (EHC), May Christine Tumonong (EHC)

Supervisors: Mr. Dagoberto Guerrero, Dr. Goonatilake, Dr. Abe

15. Proposing an Idea in Developing a Highly Reliable Data Storage System.

Madhu Kilari (graduate)

16. Interest Rate

Marcos Dimas, Omar Rios

Supervisor: Dr. Jin

Session D, 5:10 to 6:10pm in SC 120

17. NMR Study on Bone Porosity

Brenda Arambula, Karla Munoz

18. "Math is Not For Me!" Student Attitudes Towards Mathematics

Oscar Widales (Math, Sr), Caleb Jacobson (Math 8-12, Jr)

Supervisor: Dr. F. Khosraviyani

19. Assessment of Water Distribution Human Cortical Bone by NMR

Alissa Gonzales (Biology, Jr), Sandra E. Prado (Biology, Jr)

Manuel Montes (Biology, Jr)

Supervisor: Dr. Qingwen Ni

20. Show Me the Money

Arzola, Roberto (Fr), Nussbaum, Michael B. (So)

Supervisor: Dr. Jin

21. The Reasoning Behind and Possibility of Ethanol and other Biofuels

Replacing the Use of Pure Fossil Fuels

Christopher J. Gonzales (Fr, Biology), Supervisor: Dr. Goonatilake

22. Group Theory Applications in Solid State Physics

Luis M. Villarreal (Math, graduate)

Supervisor: Dr. Khosraviyani

Poster

Session,

11:00am to

1:00pm

in WHTC

Lobby

P1. Solving a Cubic Equation:

Cardano's Method

Jason Ramirez

(Sophomore,

Undecided)

P2. Rates of

Change: Position of a Falling Object

Andres A. Rubio

(Junior, Pre-

engineering)

P3. De Morgan's Laws

Perla R. Lopez

(Sophomore,

Communication)

P4. Modeling with Systems of Linear Equations:

Heat Conduction and Traffic Flow

Maria E. Zamora

(Freshman, Biology)

Supervisor: Dr.

Goonatilake for P1-

P4

Refreshment provided between 3:30 to 4:00pm

Prize award starts at 6:20pm in SC 120