

# Distinguished Lecture Series 2008

**Professor Moeness Amin**

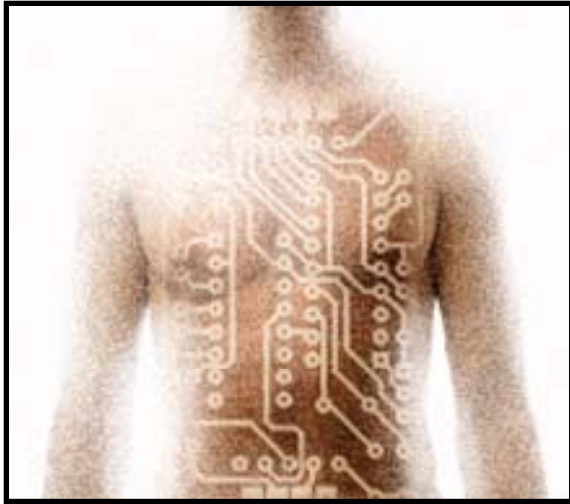
Villanova University

## ***Challenges in Through Wall Imaging***

In this talk, we discuss the different challenges facing the problem of achieving reliable indoor imaging of targets behind walls. Stationary and moving targets are considered. Localization techniques for animate and inanimate objects are presented. We argue for an interdisciplinary approach for development of an effective imaging TWI system. Specifically, we show that statistical signal processing, array processing, time-frequency analysis, image processing, antenna design, an electromagnetic propagation and modeling must all be considered in devising credible solutions.

**Friday, April 11, 2008, 11 a.m.**  
**ECSS 2.102 (TI Auditorium)**  
**For more information: 972-883-2974**  
**[www.ecs.utdallas.edu](http://www.ecs.utdallas.edu)**

**Professor Moeness Amin has been on the Faculty of Villanova University since 1985, where is now a Professor in the Department of Electrical and Computer Engineering and the Director of the Center for Advanced Communications.**

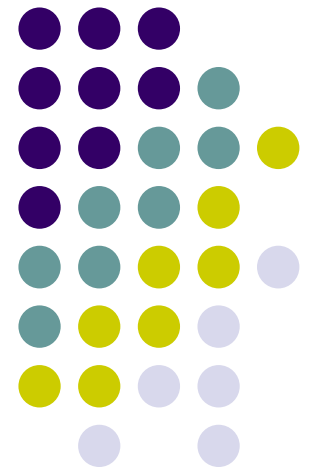


# Research Opportunity in Bio-signal Processing

**Quality of Life Technology Laboratory (QoLT Lab)**

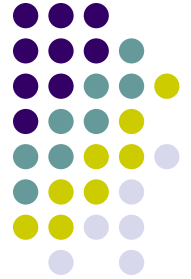
**Knowledge of signal-processing techniques and  
Labview/MATLAB is a must.**

**Contact: Prof. Lakshman Tamil**  
**[tamil@utdallas.edu](mailto:tamil@utdallas.edu)**  
**972-883-2197**



# Enroll for This Summer Course

## EE 6314: Fiber & Integrated Optics



- **Covers analytical and numerical techniques used in the analysis and design of modern optical devices**
- **Project- and homework-based**
- **Meets weekly on Thursdays, 5:30-10 p.m.**
- **Instructor: Prof. Lakshman Tamil ([tamil@utdallas.edu](mailto:tamil@utdallas.edu))**

# Course Offering Summer 2008

## Semiconductor Process Integration

Course Number: EE6372

Term: Summer 2008

Days & Times: S 10:00 AM - 2:30 PM

Lunch Break: 12:00 PM - 1:00 PM

Place: To Be Announced

Instructor: Dr. Mark T. Tinker

Phone: (469) 360-9224

E-mail Address: [mtinker@utdallas.edu](mailto:mtinker@utdallas.edu)

Office Hours: S 3:00 PM- 5:00 PM

Location: ECSN: 2.124 (Lecturer's Room)

### Course Objectives

Acquire fundamental understanding of the relevance and importance of process integration.

Develop basic understanding of the evolution of MOSFET devices.

Develop detailed knowledge of high-k gate dielectrics, doping of MOSFET junctions, and trench isolation.

Acquire in depth understanding of silicon-germanium technology and silicon-on-insulator isolation (SOI).

Acquire detailed knowledge of modern multilevel interconnects including dual-damascene copper interconnects and low-k dielectrics.

**Course Lookup will be available for:  
Summer and Fall 2008: March 24, 2008!**



**Get Ready to REGISTER!!**



**Summer and Fall 2008 Web-Registration begins:**

Degree-seeking Graduates and Seniors: March 31

Juniors, Sophomores and Non Degree-seeking Graduates: April 7

Freshmen: April 14

Non Degree-seeking Undergraduates: April 21

**Classes Begin for Summer 2008:**

12 wk. & 1st 5 wk. session: May 23, 2008

2nd 5 week session: July 7, 2008

**Classes Begin for Fall 2008:**

Full session: August 21, 2008

# GEMS



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**UTDALLAS.EDU/GEMS**

# Are Your Math Classes Challenging?

- Then come visit a mentor! Mentors are available to help with Pre-Calculus and Calculus in ECSN 2.516
- If you need help with Linear Algebra, Differential Equations, Probability, or Advanced Engineering Math stop by ECSN 2.508

# Need Help in Some of Your Upper Level Classes?

- There is help! If you are a CS/SE major then stop by ESCN 2.516 ! Mentors schedules are posted on the door
- If you are an EE/TE/CE major and are taking a required class and need some assistance then stop by ESCN 2.508!

# DID YOU MISS THIS CONFERENCE?

**Software architecture : first  
European conference ... Madrid,  
Spain**

QA76.751 .E37 2007

**Advances in information and  
computer security : 2<sup>nd</sup> Int'l  
Workshop on security ...**

**Nara-shi, Japan**

QA 76.9 .I58 A73 2006

**Human-Computer interaction :IEEE  
International workshop ...**

**Rio de Janeiro, Brazil**

QA76.9 .D3 O4883 2007

**Software Process Improvement : 14<sup>th</sup>  
European conference ...  
Potsdam, Germany**

QA76.76 .D47 E815 2007

**Formal modeling and analysis of timed  
systems : 5<sup>th</sup> International conference ...  
Salzburg, Austria**

QA76.9 .C65 F67 2007

**Privacy enhancing technologies : 7<sup>th</sup>  
International Symposium ...**

**Ottawa, Canada**

QA76.9 .A25 P49 2007

## READ ALL ABOUT IT AT THE LIBRARY ...

All available for check out on the 4<sup>th</sup> floor

Honors Courses offered in Spring 2008

CS 4347 – Database Systems

CS 4384 – Automata Theory

CS 4348 – Operating Systems

CS 4390 – Computer Networks

EE 4368 – RF Circuit Design

Are you  
eligible?



# ECS Honors Programs

Benefits of Joining

- Smaller class sizes
- Taught by tenure-track faculty
- Access to our computer lab 24/7



- More interactive lectures
- Recognition at graduation
- Makes your transcript stand out

Best of all, make new like-minded friends!



For more information visit <http://ecshonors.utdallas.edu/>



# An Important Reminder to All Undergraduate Students Concerning Prerequisites:

You must have completed all pre-requisites for a course with the required grade or ***you will be dropped from the class.***

Please see your advisor if you have problems changing your schedule.

The McDermott Library provides access to thousands of online journal articles through these databases:

**FREE**

<http://www.utdallas.edu/library/>

ACM Digital Library

54,000 articles

IEEE Xplore

Over 1.5 million records

Inspec

Over 8 million records

Engineering Village (Compendex) 9.7 million references

Scopus

Over 16,000 science journal titles

Optics Infobase

Approx 20 scholarly optics journal titles

Academic Source Complete

Approx 1,420 engineering & computer science titles

For help using the databases and journal titles Ask-a-Librarian



Or call :  
Matt Makowka (Engineering)  
972-883-6773  
Carol Oshel (Computer Science)  
972-883-2627



# Attention CS Majors!

IEE at UT Dallas isn't just for engineering majors. All ECS members can come to our meetings and get valuable information about their college career! So come by our meetings, which are **every other Monday** throughout the year. Hope to see you at the next one!

*Free pizza at every meeting!*



# Join the UT Dallas Section of the Society of Women Engineers (SWE)



# What SWE can do for you

- Network with industry professionals
- Make new friends
- Get free tutoring
- Learn leadership skills – become an officer or take a class
- Scholarships
- Internship/Co-op opportunities



Check us out at <http://swe.utdallas.edu>

Contact us at [swe@utdallas.edu](mailto:swe@utdallas.edu) or 972-883-2940

Come by our campus office: ECSN 2.332

- ◆ Have you completed at least 15 hours at UT Dallas?
- ◆ Do you have an overall GPA of at least 3.0?
- ◆ Repeated no more than 3 UTD courses?
- ◆ Have you completed at least 6 benchmark courses (3.3 cum)?

Then you must be on the

**FAST TRACK**

to Grad School at UT Dallas.

Check with your advisor today...

# ECS Mentor Program

## Spring 2008

The background is a solid teal color. At the bottom right, there is a silhouette of a mountain range in a slightly darker shade of teal.

# Calculus Mentors

## ECSN 2.526

M	T	W	R	F	Sa
8:45 a.m. – 2:00 p.m.	10:00 a.m. – 7:00 p.m.	8:00 a.m. – 2:00 p.m.	10:00 a.m. – 8:00 p.m.	8:45 a.m. – 5:00 p.m.	10:00 a.m. – 2:00 p.m.

# Discrete Mentors

## ECSN 2.516

M	T	W	R	F
10:00 a.m. – 2:00 p.m.	9:00 a.m. – 11:00 a.m.	10:00 a.m. – 2:00 p.m.	9:00 a.m. – 11:00 a.m.	9:00 a.m. – 11:30 a.m.
7:30 p.m. – 10:00 p.m.				

# Math Mentors

## ECSN 2.508

M	T	W	R	F	Sa
10:00 a.m. – 8:00 p.m.		9:00 a.m. – 12:00 p.m.		11:00 a.m. – 4:00 p.m.	10:00 a.m. – 5:00 p.m.
	5:00 p.m. – 7:00 p.m.	4:00 p.m. – 6:00 p.m.	5:30 p.m. – 8:30 p.m.		

# UL CS/SE Mentors

## ECSN 2.516

M	T	W	R
12:00 p.m. – 2:00 p.m.	2:15 p.m. – 4:00 p.m.	1:00 p.m. – 5:30 p.m.	2:30 p.m. – 4:00 p.m.

# UL EE/TE Mentors

## ECSN 2.508

M	T	W	R
	11:00 a.m. – 2:00 p.m.		
4:00 p.m. – 8:00 p.m.	3:00 p.m. – 10:00 p.m.	2:00 p.m. – 7:00 p.m.	3:00 p.m. – 5:00 p.m.

# Teaching Assistants

## ECSN 2.516

M	T	F
2:30 p.m. – 4:30 p.m. Discrete I	9:00 a.m. – 11:00 a.m. Discrete I	10:00 a.m. – 3:00 p.m. Discrete II



# Office of Undergraduate Advising

Monday - Thursday: 8 a.m. to 5:30 p.m.

Friday - 8 a.m. to 5 p.m.

Office Location: ECSS 2.502

Phone: 972-883-2004