



Mechanical and Aeronautical Engineering Department  
University of California Davis  
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<http://mae.ucdavis.edu/research/spaceEd/>

## 2007-2008 Monthly Seminar Series on Space Research

18 October, 15 November, 17 January, **21 February**, 17 April, 15 May  
3<sup>rd</sup> Thursday 4:00-5:00 pm

# SPACECRAFT POWER SYSTEMS

***William G (Bill) Imes***

**Lockheed Martin (LM) Fellow  
Systems and Electronics Engineering  
Lockheed Martin, California**

Date: **21 February 2008 Thursday**      Time: **4:10-5:00 pm**      Location: **1062 Bainer**  
*Refreshments will be provided at 4:00 p.m.*

### **ABSTRACT**

*Hosted by: Professor Nesrin Sarigul-Klijn*

As an LM Fellow, in Systems and Electronics in Space Systems Company in Sunnyvale California, Bill Imes has been responsible for the design, development, integration and test and on-orbit trouble shooting of numerous satellite systems. Bill will begin by sharing his experiences in climbing the technical career ladder at LM. He will then describe the fundamental requirements for spacecraft power systems, design considerations and approaches, and some examples of actual satellite power systems.

### **ABOUT THE SPEAKER**

Bill Imes is a graduate of Northwestern University and Carnegie Mellon University, where he studied Electrical Engineering and Software Engineering. Bill has 43 years of practical applications in designing and implementing power systems and electronics for programs such as IRIDIUM, MILSTAR, SBIRS and Hubble Space Telescope. He has taught internal LM classes in power systems and digital design, has taught portions of the LM/Stanford University Engineering Leadership Development Spacecraft Engineering course, and has taught courses in Power Systems at San Jose State and Command and Data Handling at Stanford University. He has participated in Power Electronics Specialist Conferences as a paper reviewer and panel member. Bill is a LM Fellow and as such is recognized as the corporate expert in the field of power systems.

#### ***For more information about***

***SpaceED (Space Engineering Research and Graduate Program) or the seminars please contact Professor Nesrin Sarigul-Klijn at (530)-752-0682 or [nsarigulklijn@ucdavis.edu](mailto:nsarigulklijn@ucdavis.edu)***

Members of the campus community and visitors from the region are welcome to attend the seminar series.

Sign-in is required at the event. SpaceED seminar will replace MAE297 seminar on 3<sup>rd</sup> Thursdays.

SpaceED seminars are supported in part by



*Space Systems Company*