



# NEWSLETTER

## First Leadership Meeting

*The first meeting of its kind to take place in our district.*



LM, BITS, Pilani - Dubai

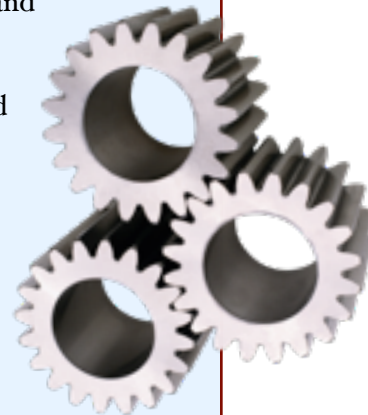
October 29 - 30 , 2010

This year, the university of BITS Pilani - Dubai hosted the first Leadership Meeting (LM) in our district. The purpose of this meeting is to train the student leaders in asme resources as well as general leadership and interpersonal skills. 25 students

from 5 different countries attended this event. Participants were logged in nearby hotels in the city of Dubai. The meeting was very successful and the attendees had a great time; benefiting from the interesting seminars and enjoying the city.

### Message from the SDOB CHAIR

Hello everyone, I hope you all had a good summer vacation, and now you're in the mood of coming back to university. This year holds various events and activities, based on professional development and technical improvement. You are invited to participate in all our upcoming events, especially the Student Professional Development Conference (SPDC). I hope you will like our first Issue summing up all of last year's major events.



*-Karim Mrad*

### DID YOU KNOW?

As an ASME member you can have your own name with an @asme.org e-mail address for free. The procedure is simple, and the e-mail address is both professional and permanent.

● Go to [www.asme.org](http://www.asme.org)

● Login to "[Members Only](#)" section

● After you have logged in, you will see the link on the left side of the page under "[Update your "@ASME.org" Forwarding Alias](#)"





# IMECE 2010

*The International Mechanical Engineering Congress and Exposition.*



**Event:** IMECE 2010, Vancouver, Canada

ASME International hosts two major conferences per year. The International Mechanical Engineering Conference 2010 (IMECE) is valued by students and engineers alike. This year, the IMECE took place in Vancouver, Canada. 4 students represented our District in the Student Design Competition (SDC). The team from the Lebanese American University ranked 9th among all other competing universities. The competition was very close with other teams, but the team had technical difficulties during the flight which resulted in some deficiencies in their device. Mireille Hantouche, a Notre Dame University student also participated in the Old Guard Competition. 2 other participants were Dr. Nagib Metni and Jad

Mouhanna who attended the meetings of the Student Sections Committees. This year's IMECE takes place in the city of Denver, Colorado from November 11 to 17. Our district's participants are the winners of the SDC 2011 who are 3 students from Notre Dame University, Lebanon. Also, Dr. Nagib Metni, Eng. Jad Mouhanna and Karim Mrad will be presenting the District in the Student Sections Committee meetings. You can check the website at: <http://www.asmeconferences.org/Congress2011/index.cfm>

## 2012 Student Design Competition: Energy Relay



Providing energy to a world with a growing population and rising expectations is a challenge that

engineers must embrace and solve. So many factors must be considered and b

alanced: cost, efficiency, resource availability, environmental impact, sustainability, and more. Many

different potential solutions are being proposed and developed. While the winners have yet to be determined, it is safe to assume that the future will include a wide variety of solutions that together will power our planet.

Providing transportation energy is a major piece of the overall energy challenge, and is the focus of the 2012 Student Design Competition. Practicing engineers in transportation areas are developing a variety of technology options and looking to integrate these technologies. You must do the same for the competition.

**SDC 2012: Energy Relay**

<http://files.asme.org/asmearg/Events/Contests/DesignContest/28571.pdf>



# Featured - Solar car

*First functional touristic solar car done by LAU students*

Fred Hatem, Mario Alam, Mohamad Kamareddine, Karim Mrad, Guy Kossaifi and Gebran Dabak, six 2nd year and 3rd year mechanical engineering students at the Lebanese American University (Byblos Campus), succeeded in overcoming a load of challenges and made a dream come true: Lebanon's first fully-operational solar car. With very limited resources, high costs, narrow time, academic obligation and endless constraints, this team was faithfully paving its way to success and finally made it

and attributed to LAU, to Lebanon and to themselves, one of the rare great achievements.

The first 3 weeks were dedicated to complete the design. "We were dedicated every day from 6:00 PM till 10:00 PM after classes, and sometimes even till later, for research and design. All in all, we recorded 197 hours of work on it", they said.



But that was just the easy part

apparently, as they had to extend their working hours till beyond 3:00 AM every night to manufacture their solar car.



"We did everything, the steel works, aluminum works, the chassis, suspensions, structures, etc..."

The solar car had successfully won the **Third Place** among all Final Year Projects that participated in the SPDC held at American University of Beirut.

## DID YOU KNOW?

## ASME STUDENT MEMBER BENEFITS-AT-A-GLANCE

- e-Library with 100 volumes, many with interactive tables & digitized graphs
- ME magazine subscription
- One free technical division membership
- Job board including jobs and internships
- e-Mentoring



- Invitations to local student section meetings, events and activities
- Online member directory of mechanical engineers
- Student competitions
- Financial aid and scholarship opportunities
- plus much more!



## Regional Conferences and Competitions:

The District J SDOB is delighted to announce its upcoming regional conferences. Every student section is expected to participate in the applicable events. Moreover, it is recommended that you start preparing for the competitions ASAP. The details of the upcoming events are listed below:

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### Student Leadership Seminar (SLS):

This seminar aims to provide student section officers and volunteers with the tools and skills they need to run their sections more effectively. This year, the SLS took place in the Lebanese American University where four Lebanese SS participated. Problem solving techniques and ASME best practices were the main topics of the meeting. The main speakers were SDOB Chair Jad Mhana and the Vice Chair Rodrigue Chemali. Faculty members, PhD, Najib Metni, PhD, Barbar Akle, and PhD, Ramy Harik also attended this event.



### Student Professional Development Conferences (SPDC):



These SPDCs are a great opportunity for you to meet your fellow students, network and compete in official ASME competitions. Start preparing for the Student Design Competition and the Old Guard Oral Presentation Competition. The first place prize is 500 USD and an all-expenses paid trip to compete in the finals at IMECE 2012.

This year two SPDCs took place, one semi-final in BITS - Pilani, Dubai and one final in AUB Lebanon.



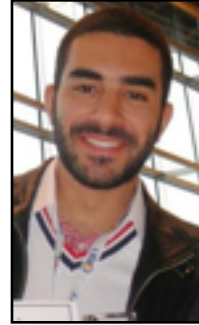
# Meet the SDOB liaisons



**Dr. Najib Metni**  
Senior SSC Rep



**Jad Mouhanna**  
Advisor



**Karim Mrad**  
Chair



**Saddhant Maheshwari**  
Secretary



**Elio Chalita**  
Webmaster



**Mohamad Kamareddine**  
Newsletter Editor I



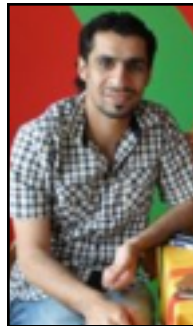
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<https://www.facebook.com/group.php?gid=43055697312&ref=ts>



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### Calendar

**October 14-15, 2011**

Leadership Meeting, KUSTAR Uni.  
Abu Dhabi, UAE

**November 11, 2011**

IMECE, Denver Colorado, USA

**January 2012**

SLS

**March 2012**

Leadership Training Conference

**April 2012**

SPDC semi-finals

**May 2012**

SPDC finals



*SETTING THE STANDARD*