

INDUSTRY ADVISORY BOARD MEETING MINUTES

June 9, 2010

Hosted and chaired by Edgar Camerino of Rick Engineering Company

I. Welcome & introductions

The June 9, 2010 San Diego MESA Alliance (SDMA) Industry Advisory Board (IAB) meeting was called to order at 1:40 pm by Edgar Camerino of Rick Engineering Company.

Members present

Name	Company	Phone	Email
Bakhiet, Raga	Southwestern College MESA	(619) 482-6381	rbakhiet@swccd.edu
Camerino, Edgar	Rick Engineering Company	(619) 271-0707	ecamerino@rickengineering.com
Charles, Maria Victoria	Hamilton Sundstrand	(858) 627-6000	maria.charles@hs.utc.com
Espino, Jeanette Ramos	Imperial Valley MSP	(760) 353-2860	iramos@ecesd.org
Garcia, Theresa	SDSU MEP	(619) 594-5679	tgarcia@mail.sdsu.edu
Goyer, Donna	SDSU MESA Schools Program	(619) 594-0299	dgoyer@projects.sdsu.edu
Haynes, Kathy	Kennedy/Jenks Consultants	(858) 676-7509	kathyhaynes@kennedyjenks.com
Jordan, Michelle	SDSU MESA Schools Program	(619) 594-0310	mjordan@projects.sdsu.edu
Lutes, Brianna	Infrastructure Engineering Corp.	(858) 413-2400	blutes@iecorporation.com
Pamintuan, Eric	SPSD/MESA	(619) 594-7419	epamintuan@projects.sdsu.edu
Yang, Angeline Villanueva	SPSD/MESA	(619) 594-2680	ayang@projects.sdsu.edu

Guests present

Name	Company	Phone	Email
Jimenez, Oscar D.	Solar Turbines/Caterpillar	(619) 544-2472	jimenez_oscar_d@solarturbines.com

II. 2010 Summer team internships Fair Labor Standards Act

Program coordinator Angeline Yang provided an update to the 2010 summer team internships. 53 internship opportunities were available compared to the 36 expected. Over 100 students applied, with a majority of the applicants majoring in civil and electrical engineering, which was reflective of the student application pool. Refer to PowerPoint slide for details.

The Fair Labor Standards Act was brought to the attention of MESA staff by industry. If an intern is benefitting a company as per the guidelines on Fact Sheet #71 (refer to handout), then the intern must be compensated by law. The summer team interns are being paid via the National Science Foundation (NSF) and respective campuses cover their liability. Actions being taken to be consistent with the Department of Labor are application packet language revisions (i.e. mentor compared to supervisor) and that companies will be informed of the potential liability and their own responsibility to research, especially in regards to taking student volunteers. In the past, students have volunteered if 12 paid internship opportunities per campus were taken up. The NSF grant-funded summer team internship program ends the summer of 2012.

Southwestern Community College MESA and SPAWAR have a contract between the two that allows its MESA students to receive college credit for a preparatory class and be eligible for an internship at SPAWAR.

III. 2009-2010 SDMA end of year report

Most events on the summary report are repeated annually. It is also available on the SDMA website, and will be revised to include additional industry volunteers as some companies may use this document for personnel files. Refer to handout.

IV. MESA Program key updates

A. Southwestern Community College (SWC)

Director Dr. Raga Bakhiet shared program enrollment, transfer, and graduation numbers. The total number of scholarships awarded to all SWC majors was 192, with MESA students accounting for 17%.

The School of Mathematics, Science, and Engineering awarded 12 scholarships, with MESA students accounting for 58%. 25 MESA students are interning this summer, with most from the aforementioned SPAWAR contract, and others through the NSF summer team internship program and the National Institute of Health (NIH).

B. San Diego City College (SDCC)

SWC MESA Director Dr. Raga Bakhiet presented on behalf of SDCC MESA Director Rafael Alvarez. The MESA Advantage NSF Scholarship is based on the MESA Advantage Student Report Card which was created by MESA staff and industry. Each recipient receives \$500.

C. San Diego State University (SDSU) MESA Engineering Program (MEP)

Director Theresa Garcia shared that MEP served 265 students due to the 10% increase provided by the NSF grant. Without the grant, MEP would only be able to serve 200 students. Due to furloughs, staff had to cut down on activities. However, MEP students volunteered during their spring break to act as tour guides for transfer students in place of SDSU staff. The SWC/SDCC Junior College Shadow Day will be brought back this upcoming year as long as furloughs are not implemented. Dean Thomas of SAIC facilitated a Federal Agency & Defense Careers Symposium in April, with roughly 75 SDSU students attending (6 were MEP students). \$15,000 worth of scholarships was presented during the MEP graduation reception.

D. SDSU MESA Schools Program (MSP)

Academic Coordinator Michelle Jordan and Director Donna Goyer received letters from pre-college students stating they would like to attend college after participating in SDSU/UCSD campus tours. 2 MSP students, a Valedictorian and Salutatorian, will be attending Stanford and Yale, respectively. The Sweetwater and Lemon Grove districts will be added as MESA schools for the 2010-2011 academic years. Because the program is grant funded, SDSU MSP maxes out at 20 schools. Schools with low API scores receive supplemental funding whereas Title 1 schools with high API scores have to pay in full.

E. Imperial Valley MSP

Director Jeanette Ramos Espino The 3rd annual Imperial Valley Renewable Energy Summit was held on March 16-18, 2010. Its focus was to attract companies to Imperial Valley as a hotspot for geothermal and solar energy work. 50 MSP students were taught business etiquette and 4 teams of students presented their MESA projects to roughly 500 in attendance. One team modified a robot to serve a platter with appetizers, whilst a windmill and prosthetic arm presentation blew away attendees. The keynote speaker was Imperial Valley District Assemblyman Manuel Perez. 100 students are graduating amongst the 800 program students in 17 schools. Approximately \$7,000 worth of scholarships was awarded thanks to local sponsors. Over the past 7 years, Imperial Valley has had 12 Bill Gates scholars.

V. 2010-2011 SDMA calendar

The Joint Planning Conference is still on the calendar as pending because we are waiting for Congresswoman Susan Davis' staff to confirm the date. IAB meetings will be moving to Infrastructure Engineering Corporation (IEC) in east Poway at 1:00 – 3:00 pm. In place of a formal August IAB meeting will be the summer team internship poster presentation. Refer to handout or the SDMA website.

VI. Shadow Day – Thursday November 18 2010

Solar Turbines Shadow Day and the SDMA Shadow Day will be combined into a single Shadow Day this year on Thursday, November 18, 2010, from approximately 9:00 – 2:00 pm. There will be a lot of flexibility for the company to work out an agenda, which can include students shadowing an engineer and/or scientist, tours of the company facility, and other items. Maria Charles of Hamilton Sundstrand requested 5 students. Registration packets will be sent via e-mail and additional information will be posted online.

VII. Other topics

The STEP Partnership of San Diego (SPSD) is abiding by the NSF grant in that the IAB meetings are being used as the External Advisory Council meetings since they consist of the same members and discuss the same topics.

Ironing appears to be a lost art to this upcoming generation. Ethics and etiquette training should also be required now by MESA. The board discussed ways to get all 5 programs involved with such trainings.

VIII. Company announcements

There were no company announcements.

IX. Chair and Vice-Chair elections

Theresa Garcia presented outgoing Chair Edgar Camerino a gift bag for his contributions to the SDMA IAB, and thanked him for stepping in during the middle of his Vice-Chair term and staying on longer as Chair.

The new Chair (Brianna Lutes of Infrastructure Engineering Corporation) and Vice-Chair (Maria Victoria Charles of Hamilton Sundstrand) were announced.

X. Building agenda for next meeting

Agenda building will not occur until the next formal meeting, in October 2010. Because of this, please refer to e-mail regarding Shadow Day information.

Edgar Camerino of Rick Engineering Company suggested that SDMA solicit the IAB handbook and participation card from the April 14, 2010 IAB/MESA Orientation meeting again.

XI. Adjournment

The formal meeting adjourned at 3:16 pm.

Minutes submitted by E. Pamintuan on June 30, 2010.

IN LIEU OF NEXT MEETING:
Wednesday, August 4, 2010
1:00 – 3:00 pm
NSF/MESA Summer Team Internship Presentation
San Diego State University – Casa Real
5500 Campanile Drive, San Diego, CA 92182