

**Monthly Faculty Meeting  
Department of Electrical Engineering**

**Present:** Roger Dougal, Chair

Mohammad Ali	Krishna Mandal
Andrea Benigni	Enrico Santi
MVS Chandrashekhar	Grigory Simin
Yinchao Chen	Guoan Wang
Herbert Ginn,	Xiaofeng Wang
Asif Khan	Bin Zhang

**Absent:** Seongtae Bae, Paul Huray, David Matolak

**Recorder:** Nat Paterson

The meeting was called to order by Dr. Roger Dougal at 3:30 p.m. in EE Conference Room 3A75 on October, 20, 2016.

**1. Announcements –**

- Minutes from last month were electronically approved
- Fall 2016 IAB meeting – November 4, 2016 --
- 2<sup>nd</sup> Big Friday – Friday October 21, 2016
- Research Webpages Live – looking much better with more information available
- Magellan Grant Proposals – 5 proposals submitted
- Dual Authentication – need to register now
- Use Outlook Calendar – encouraged the faculty to use it regularly so it's convenient to set up meetings

**2. Committee Reports --**

**I. Undergraduate Committee --**

**Undergraduate Committee – Dr. Simin**

Dr. Simin presented a list of ELCT 500 courses that hadn't been offered in a long time (at least 5 years) and asked the faculty if anyone would be willing to teach them or if the courses should be eliminated from the catalogue.

- ELCT 540 – Nanotechnology
- ELCT 561 – Advanced Electromagnetics
- ELCT 573 – High Speed Digital Systems
- ELCT 574 – Semiconductor Materials and Device Characterization
- ELCT 575 – Advanced Electronics
- ELCT 580 – Audio Engineering
- ELCT 582 – Semiconductor Laboratory

Faculty inputs and suggestions –

- Communication group agreed to eliminate ELCT 561
- Dr. Mandal would like to keep ELCT 574 -- Dr. Dougal suggested the Electronics Materials and Devices group to review their existing 500 level courses to combine contents and develop a few new and better-improved courses, instead of having too many that are similar
  - A list of which courses were offered by semester should be developed and displayed on the website so students could plan their career plans better.

**Motion to eliminate the following courses from the catalogue:**

- ELCT 540, ELCT 561, and ELCT 573

**Vote:** all in favor

**Action:**

- The undergraduate committee will submit the course change proposal which will take effective for fall 2018.
- A spreadsheet of course listing by semester will be circulated to each research group for their input.

## **II. Graduate Committee –**

**Motion to re-naming the categories in the PhD Qualifying Exam internally to match the 4 research areas of the department. Each student will select 8 out of 12 total questions (3 per area) and must pass 6 out of 8 questions to pass.**

**Rationale:**

The 4 research areas of the department do not align with the current categories of PhD Qualifying Exam. Currently, the QE categories are as follows.

- a) Circuits and Electronics
- b) Signals & Systems
- c) Semiconductors
- d) Electromagnetics

The four research areas of our department are as follows.

- a) Power and Energy Systems
- b) Electronic Materials and Devices
- c) Communications and Electromagnetics
- d) Decision and Control

The faculty discussed extensively on the expectations of qualifying exam and many concerns were raised. At the end neither agreement nor conclusion was made.

**Action–**

- The Graduate Committee will conduct a survey to get input from the faculty on the concept of Qualifying Exam and an exam format preference. Result from the survey will be presented in the next faculty meeting.

## **III. Report of Chairman**

- **Spring 2017 Advisement –**
  - 67% – signed up for appointments
  - 71% -- been advised of those who signed up
- **Prysmian Graduate Program** – Dr. Dougal met with a representative from the company. They asked for our assistance in encouraging more students to apply for their Global Graduate Program. During this advisement period, please advise the graduating seniors to find out info on this program from the Career Center.
- **Campus thefts** – During the past a few months, there have been many incidents where items were stolen from our undergraduate laboratories, the department’s conference room, and etc. Dr. Dougal informed the faculty that we’re the process of obtaining info on security cameras in all labs.
- **Past research expenditures and future plans** – A few graphics containing info on multi-years research expenditures and IDC amount was showed to the faculty. These showed downward moving trend. Dr. Dougal updated the faculty that the faculty should start getting their share of IDC based on their current research outlook. So Dr. Dougal encouraged everyone to increase their proposal submission and that would help increase their IDC amount. See Appendix A, B, and C.

Meeting adjourned at 4:49 pm

Appendix A

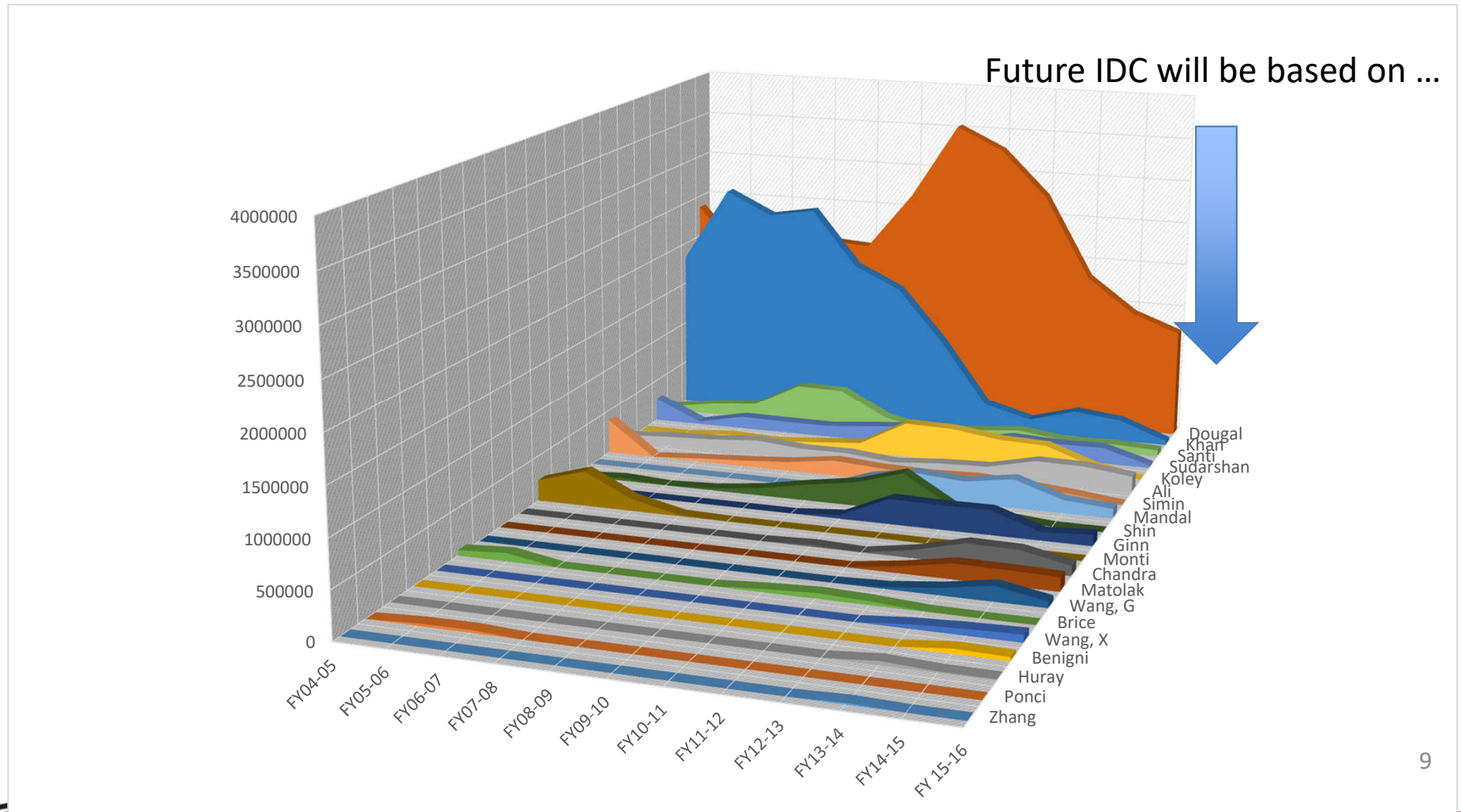
# IDC – what could have been

E150	2011	2012	2013	2014	2015	2016	Total IDC
Ali	\$1,747.46	\$4,682.48	\$17,448.11	\$5,337.81	\$5,530.74	\$7,614.21	\$42,360.81
Bae							\$0.00
Benigni						\$3,443.34	\$3,443.34
Chandra		\$15,222.90	\$11,514.96				\$26,737.86
Chen							\$0.00
Dougal		\$5,743.24	\$7,416.02	\$146,367.90		\$468.69	\$159,995.85
Huray	\$7,193.81						\$7,193.81
Ginn	\$12,779.42	\$1,800.88			\$5,506.20		\$20,086.50
Khan	\$14,278.69		\$21,138.47				\$35,417.16
Mandal	\$32,798.59						\$32,798.59
Matolak		\$26,364.84				\$4,147.50	\$30,512.34
Santi		\$3,652.29					\$3,652.29
Simin		\$9,711.98					\$9,711.98
Wang, G			\$13,435.28		\$5,414.06	\$2,067.45	\$20,916.79
Wang, X			\$6,918.32		\$6,895.35		\$13,813.67
Zhang					\$2,082.94	\$781.20	\$2,864.14
<b>Total E150</b>	<b>\$68,797.97</b>	<b>\$67,178.61</b>	<b>\$77,871.15</b>	<b>\$151,705.71</b>	<b>\$25,429.29</b>	<b>\$18,522.39</b>	<b>\$409,505.12</b>
<b>Balance after Pls</b>	<b>\$46,094.64</b>	<b>\$45,009.67</b>	<b>\$52,173.67</b>	<b>\$101,642.82</b>	<b>\$17,037.63</b>	<b>\$12,410.00</b>	<b>\$274,368.43</b>



Appendix B

# Multi-years Research Expenditures by faculty



Appendix C

# Multi-years Research Expenditures by Research Group

