

Oct. 4, 2016, PRIME meeting Battery Division business luncheon meeting

Meeting called to order at 12:45 PM by Robert Kostecki

Robert Kostecki (chair) called the meeting to order. This meeting is the 25th anniversary of the commercialization of the lithium-ion battery and a number of events were planned for the PRIME meeting. Largest ECS meeting ever, with almost 5000 in attendance. Directly after the luncheon meeting, ECS will record a podcast with several Battery Division members who played key roles in the research and development of LIBs.

Marca Doeff (secretary) presented minutes of the Phoenix (fall 2015) meeting. At that time, we were planning the 25th anniversary of the LIB celebration at the PRIME meeting, going on now. We are now more reliant on fundraising due to ECS's new financial model. The battery division wants to honor those who have contributed to the field. This includes named symposia (in honor of...), generally held in the fall. This fall there is a symposium in honor of Z. Ogumi. She also encouraged members to nominate fellows and candidates for the various awards. Minutes approved and seconded on the floor.

Shirley Meng (treasurer) presented the budget. Most expenses for student travel grants. She announced new award funding from MTI and Jiang family foundation, (\$25k over 5 years for postdoc awards) and K.M. Abraham for student travel grants. Two students were awarded travel grants by this mechanism this year. Budget was approved and seconded.

Robert thanked Shirley for her service and her role in soliciting this funding.

Chris Johnson (vice chair) presented planned symposia for spring and fall 2017. The student battery slam is a new symposium. Chris asks everyone to encourage students to send in abstracts. Please also send in suggestions for named symposia. Fall 2017 one will be in honor of Frank McLarnon.

Robert Kostecki announced winners of awards
Student research award-B.D. Polat Karahan
MTI postdoc awards-Yelena Gorlin and Liumin Suo
Battery Technology award-Dominique Guyomard
Battery Research award shared by Yang Shao-Horn and N. Imanishi
Two new fellows this year-John Goodenough and Bor Yann Liaw.

Robert presented certificates of appreciation to symposium organizers present at the luncheon.

Robert Kostecki announced the new slate of Battery Division officers including a number of new members-at-large (Guoying Chen, Bryan McCloskey, Jie Xiao,

Prashant Kumta, Thomas Barrera). Several members-at-large are continuing on, including Boryann Liaw (ex-chair), Khalil Amine, Marina Yakovleva, Martin Winter, Dominique Guyomard, Minoru Inaba, John Muldoon, and Richard Jow. Chris Johnson will be chair, Marca Doeff will be vice-chair, Shirley Meng will be secretary, and Brett Lucht will be treasurer.

Robert discussed the revision to the Mission statement of the Battery Division, to be finalized at an ECS committee meeting later this week. This is a general effort to update and coordinate the missions of the divisions. Members who have any concerns should let Robert know immediately.

Robert presented a list of JES focus issues since 2013. This provides revenue to the division. One planned for 2016 will be edited by Doron Aurbach and will focus on papers given at the 2016 IMLB meeting in Chicago. We are soliciting ideas for future focus issues.

1:30 meeting was adjourned. Directly after this meeting, Roque Calvo interviewed John Goodenough, Stan Whittingham, Zempachi Ogumi, Mike Thackeray, and Martin Winter about the birth of the lithium ion battery, for a podcast.

Battery Division Membership by Member Type	
Membership Type	Amount
Awarded Life Member	7
Emeritus Member	72
Honorary Member	5
Life Member	21
Member	1114
Retired Member	4
Student Member	714
Grand Total	1937

Battery Division Membership by Member Type and Status			
Membership Type:	Active (In Good Standing):	Expired (3-month Grace Period):	Total:
Student	537	177	714
Retired	4	0	4
Member	944	170	1114
Life Member	21	0	21
Honorary	5	0	5
Emeritus	72	0	72
Awarded Life	7	0	7

Battery Division by Country		Total Members		Total Members	
Country Name	Total Members	Country Name	Total Members	Country Name	Total Members
				RUSSIA	5
				SAUDI ARABIA	1
		HUNGARY	2	SERBIA	3
ARGENTINA	2	INDIA	19	SINGAPORE	8
AUSTRALIA	14	INDONESIA	1	SOUTH AFRICA	4
AUSTRIA	11	IRELAND	10	SOUTH KOREA	56
BELGIUM	15	ISRAEL	12	SPAIN	13
BRAZIL	1	ITALY	12	SWEDEN	17
BULGARIA	5	JAPAN	217	SWITZERLAND	14
CANADA	81	KAZAKHSTAN	3	TAIWAN	19
CHINA	51	LITHUANIA	1	THAILAND	2
COLOMBIA	2	MALAYSIA	3	TURKEY	4
COSTA RICA	1	MEXICO	1	UNITED ARAB EMIRATES	1
CZECH REPUBLIC	4	NETHERLANDS	4	UNITED KINGDOM	85
DENMARK	5	NORWAY	9	UNITED STATES	1078
DOMINICAN REPUBLIC	1	PERU	1	Grand Total	1937
ESTONIA	2	POLAND	8		
FINLAND	3	PORTUGAL	1		
FRANCE	29	PUERTO RICO	1		
GERMANY	78	QATAR	1		
HONG KONG	16				
Battery Division by Country		Battery Division by Country			
		Country Name	Total Members		

- 36 out of 273 fellows have been from the BATT Division (13%)
- Total ECS member is more than 8,000 Battery Division is about 20%

Females in ECS Stats				
		Raw #s	%	Notes
Fellows		21/273	7.60%	living Fellows
Leadership	Secretaries	3/21	14%	
	Treasurer	1/22	5%	
	President	6/115	5%	
Division EC		10/48	21%	
Awards (past 10 years)	Society	4/67	6%	

The Electrochemical Society
Estimated Statement of Divisions Income & Expenses -
Six Months Ended June 30, 2017

	Battery
Beginning Balance - January 1, 2017	<u>\$ 59,466</u>
Income:	
Membership Dues	11,102
Monograph Royalties	
ECS Transactions Papers	291
Contributions	500
Journal Articles Published	494
Spring Meeting Abstracts	3,268
Fall Meeting Abstracts	-
Journal Focus Issues	-
Symposium Support	3,000
Interest Earned *	<u>775</u>
Total Income	<u>19,430</u>
Expenses:	
Membership Awards	1,070
Division Awards	1,000
Spring Mtg - Comm./Special Events	-
Spring Mtg Travel Grants and Symposia:	
Symposia	3,000
Travel Grants	1,300
Registration Waivers	-
Fall Mtg - Comm./ Special Events	-
Fall Mtg Travel Grants and Symposia :	
Symposia	-
Travel Grants	-
Registration Waivers	<u>-</u>
Total Expenses	<u>6,370</u>
Balance - June 30, 2017	<u>\$ 72,526</u>

*Interest earned is tentative and assumes an operating surpl

** Institutional Membership revenue cannot be calculated a