

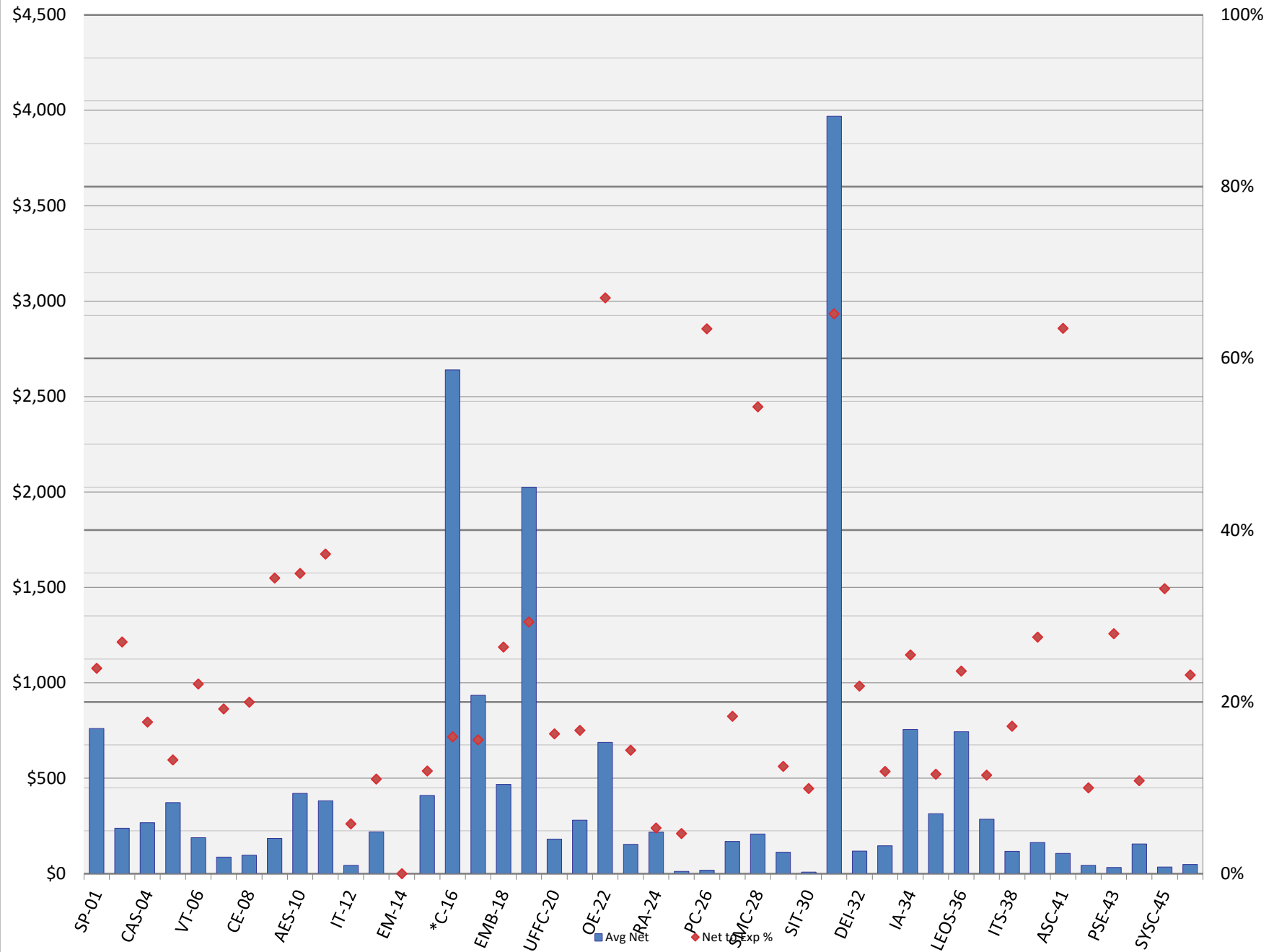


Conference Report

**IEEE Systems Council AdCom
April 12, 2019**

**Bob Rassa
Past President
VP Conferences**

Net S/C Conference Portfolio Performance





INCOSE Cooperation

- **INCOSE = International Council on Systems Engineering**
 - **Started several years ago by having an INCOSE track at SysCon**
 - Papers selected & vetted by INCOSE, presented in separate track
 - INCOSE members received the \$200 IEEE discount
 - **Agreed recently to give INCOSE technical co-sponsorship of SysCon**
 - Haven't done this yet with ISSE
 - **Allow INCOSE to offer the CSEP* exam at the conference**
- *Certified Systems Engineering Professional



SysCon 2018 Statistics

April 23-26 2018, Vancouver

- **251 abstracts submitted**
 - 133 final papers (53% acceptance)
- **7 tutorials**
- **200 attendees, 27 countries**

USA: 86

UK: 1

UAE: 1

Turkey: 2

Thailand: 1

Sweden: 1

Spain: 1

Pakistan: 1

Netherlands: 2

Philippines: 1

Japan: 2

Israel: 4

Kuwait: 1

Pakistan: 2

India: 3

Germany: 13

France: 6

Hong Kong: 1

Greece: 2

Russia: 4

China: 4

Canada: 25

France: 6

Brazil: 6

Austria: 2

Australia: 6

Singapore: 1



SysCon 2019 Statistics

- **250 abstracts submitted; 186 academic, 47 practitioner**

6 INCOSE

- 143 final papers (57% acceptance)

**10 no-
shows**

- **3 tutorials**

- **200 attendees, 28 countries**

Australia

Brazil

Canada

China

France

Germany

Greece

Hong Kong

India

Israel

Italy

Japan

Kuwait

Malaysia

Netherlands

Pakistan

Philippines

Russia

Singapore

South Africa

South Korea

Spain

Sweden

Thailand

Turkey

United Arab Emirates

United Kingdom

United States



And Announcing-

5th Annual

**International Symposium on
Systems Engineering
(ISSE 2019)**

October 1 - 3, 2019

**Principal Hotel George St
Edinburgh, Scotland**



Also Announcing--

**14th Annual
International Systems Conference**

April 20 - 23, 2020

**Marriott Chateau Champlain
Montreal, QC Canada**

Call for Papers is out



Future SysCons

- **2021: April, have requested proposal from JW Marriott, Vancouver and Marriott Chateau Champlain, Montreal QC Canada**
- **2022: Hyatt Grand Cypress, Orlando? Hotel in San Diego? Other?**
- **Plan to continue a 3-year rotation between these NA cities until a solid reason presents itself to change; that may be here. Is a \$219 room rate too high?**



Future ISSE

- **2019: October, Principal Hotel George, Edinburgh**
- **2020: Vienna, Austria**
- **2021: Cities under consideration**
 - Barcelona, Spain
 - Frankfurt, Germany
 - Tel Aviv, Israel



Asian SE Conference

- **We have been approached on doing a similar conference to ISSE in Asia (China)**
- **Proposal Received**
 - **Systems Council would be 50% partner**
 - **Zero follow-on contact**



**Also
Announcing--**



SYSTEMS SECURITY
symposium

1st Annual

Systems Security Symposium

April 6 - 9, 2020

**Marriott Crystal Gateway
Washington, DC area
(Crystal City, VA)**

Call for Papers is out



IEEE SSS 2020

The IEEE-INCOSSE-NDIA-UVa Systems Security Symposium seeks research papers and application studies which focus on the development of secure, safe, and resilient systems. This symposium attempts to address the convergence of cybersecurity, safety, and engineering with interest in the effective application of security principles, methods, and tools to complex systems such as cyber-physical systems, autonomous systems, transportation vehicles, medical devices, large IoT systems, and other systems of interest. Preference will be given to papers and case studies which bridge theory to practice.



IEEE SSS 2020



- **Financial sponsors:**
 - **Systems Council 75%; AESS 25%**
- **Technical Co-sponsors:**
 - **INCOSE (International Council on Systems Engineering)**
 - **NDIA (National Defense Industrial Association)**
 - **SERC (Systems Engineering Research Center)**
 - **UVa (University of Virginia)**
 - **And in conjunction with Office of Secretary of Defense, Research & Engineering**
- **Focus on Five Eyes (US, Canada, UK, Australia, NZ)**
 - **Only papers from Five Eyes accepted;**
 - **Attendance may also be limited**





2017 Conference Proceedings Distribution

Actual Data				
Owner	Weighted Usage (Based on % share)	Weighted Content (Based on % share)	% of Total Usage	% of Total Content
SYSC045	2,960	1,390	0.1%	0.92%
Grand Total*	104,014,093	558,486		
Usage & Content - \$\$/per unit	\$ 0.21	\$ 20.65		
Subtotal: Usage/Content Allocation	\$ 19,145.81	\$ 28,699.55	\$ 47,845.37	
Less: Direct Revenue/Expense			\$ (59.27)	
Total Distribution			\$ 47,786.09	

Usage = Downloads

Content = Documents Added



Portfolio Statistics



Systems Council

Current Statistics (data reported from 2Q 2015 thru 1Q 2019)

	IEEE Benchmark	Average IEEE S/C	Systems Council	Performance compared to IEEE Benchmark
Average Time to Accounting Close (Months)	6.0	10.7	16.8	1
Aggregate Net / Expense Ratio*	20.0%	22.4%	41.7%	3
Avg. Time to Publish (Days) - All conferences	30.0	54.0	45.5	2
Avg. Time to Publish (Days) - TCS conferences		51.0	95.0	2
PDFs / Conference	N/A	106.6	85.8	
Downloads / PDF	N/A	163.9	58.4	

Legend		
Average Time to Close Less than 6 months	Average Time to Close Between 6 and 12 months	Average Time to Close More than 12 months
Aggregate Net / Expense Ratio More than 20%	Aggregate Net / Expense Ratio More than 10%	Aggregate Net / Expense Ratio Less than 10%
Average Time to Publish All Conferences Less than 30 days	Average Time to Publish All Conferences Between 30 than 90 days	Average Time to Publish All Conferences More than 90 days
Average Time to Publish TCS Conferences Less than 30 days	Average Time to Publish TCS Conferences Between 30 than 90 days	Average Time to Publish TCS Conferences More than 90 days



Chapter Sponsored Conferences

Conference Start Date	Conference Title	Estimated # of Attendees	Conference Location City	Conference Venue	Region	IEEE Sponsor Name	Conference Chair	Technical Program Chair
11/06/2017	2017 IEEE Green Energy and Smart Systems Conference (IGESSC)	200	Long Beach	Pyramid, CSULB	R6	Coastal Los Angeles Section SYSC Chapter;IEEE Power & Energy Society;IEEE Systems Council;Region 06 - Western USA	Hen-Geul (Henry) Yeh	Mohammad Mozumdar
10/29/2018	2018 IEEE Green Energy and Smart Systems Conference (IGESSC)	200	Long Beach	Pyramid, CSULB	R6	Coastal Los Angeles Section SYSC Chapter;IEEE Communications Society;IEEE Systems Council;Region 06 - Western USA	Hen-Geul (Henry) Yeh	Chit-Sang Tsang
01/16/2019	2019 IEEE 12th International Conference on Global Security, Safety and Sustainability (ICGS3)	80	London	Northumbria University London Campus	R8	United Kingdom and Ireland Section SYS Chapter	Hamid Jahankhani	Hamid Jahankhani



Technical Co-sponsorships

- **2017 Systems and Information Engineering Design Symposium (SIEDS) – April, Charlottesville VA**
- **2017 3rd International Conference on Event-Based Control, Communication and Signal Processing (EBCCSP) – May, Portugal**
- **2017 14th International Joint Conference on e-Business and Telecommunications (ICETE) – July, Madrid**
- **2017 International Symposium on Wearable & Rehabilitation Robotics (WeRob) – November, Houston**
- **ICT-ROBOT 2018 – September, S. Korea**



Post-conference TCS Revenues

Year	Final Net Distribution to SysC
2013	\$ 8,111.87
2014	\$ 6,267.28
2015	\$ 8,589.77
2016	\$ 13,500.60
2017	\$ 23,184.56
totals	\$ 56,214.08



Financial Co-sponsorships

- **2017 IEEE 6th Non-Volatile Memory Systems and Applications Symposium (NVMSA)- August, Taiwan (50%)**
- **2017 IEEE 23rd International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA) – August, Taiwan (25%)**
- **2017 IEEE Green Energy and Smart Systems Conference (IGESSC) – November, Long each (unk%)**



Two new conferences planned

- **Conference on Miniaturization for Air & Space Systems**
 - “C-MASS”
 - Planned for late 2020
 - Washington DC area
 - Companion to J-MASS as a manuscript feed
 - Seeking partners from J-MASS partners
- **Conference on CyberSecurity – under way, name change to Systems Security Symposium**
 - Unclassified level, will deal with techniques and methods to develop and evaluate cyber secure systems
 - Partner with NDIA and INCOSE, maybe CS
 - Washington DC area, 2019 start
 - Technical Program Chair from Raytheon (CyberSecurity expert)

