

194th Division Meeting
Dynamics Systems and Control Division, ASME International
2018 Dynamic Systems and Control Conference
Atlanta, Georgia, Hyatt Regency Atlanta

Date and Time: Monday, October 1, 2018 at 7:00 pm
Location: International Ballroom North, Lower Level 1

A G E N D A

7:00 PM Social – light refreshments will be provided.

7:30 PM 1 Chair’s Welcoming Remarks Anna Stefanopoulou
Anna called for the order around 7:45 pm and the meeting started with self-introduction.

7:35 PM 1.1 Self-Introduction

7:40 PM 2 Approval of Minutes Jingang Yi
Jingang moved the motion to approve the minutes at 2018 ACC and all members approved the minutes.

Reports:

7:45 PM 3 Division Activities

3.1 Secretary’s Report Jingang Yi
Jingang presented the DSCD membership updates. The details are in the attached report.

3.2 Treasurer’s Report Hosam Fathy
Hosam cannot attend the meeting and instead he sent the report. Xiaobo helped present the treasurer report as in attachment.

3.3 Technical Committee Report Jordan Berg

- No update needs to be reported at this time.
- 3.4 American Automatic Control Council (AACC) Report George Chiu
No update needs to be reported at this time.
- 3.5 ASME Liaison to DSCC Update Edmond Valpoort
Edmond presented the ASME updates and the details are in the attached report.
- 3.6 Announcement from NSF Robert Landers
Robert presented the NSF updates that are possibly related to DSCD and the details are in the attached report.
- 8:30 PM 4 Journal Reports (5 minutes per report)
- 4.1 Journal of Dynamics Systems, Measurement, and Control Joseph Beaman
Joe cannot attend the meeting and instead he sent the report. Jingang helped present the report as in attachment.
- 4.2 Transactions on Mechatronics George Chiu
George presented the TMech updates and the details are in the attached report.
- 8:40 PM 5 Conference Activities (5 minutes per report)
- 5.1 Recognize student travel grant recipients Carrie Hall
Carrie presented the report as in the attachment.
- 5.2 2018 DSCC Xiaobo Tan
Xiaobo presented the report as in the attachment.
- 5.3 2019 DSCC Kam Leang
Kam presented the report as in the attachment.
- 5.4 2020 DSCC Jiong Tang
Jiong cannot attend the meeting and instead sent the report. Qingze helped present the report as in attachment.
- 5.5 2019 ACC Carrie Hall
Carrie presented the report as in the attachment.
- 5.6 2019 AIM Kok-Meng Lee
Kok-Meng cannot attend the meeting and instead sent the report. Jingang helped present the report as in attachment.
- 5.7 DSCC Steering Committee Report Santosh Devasia
Santosh presented the report as in the attachment.

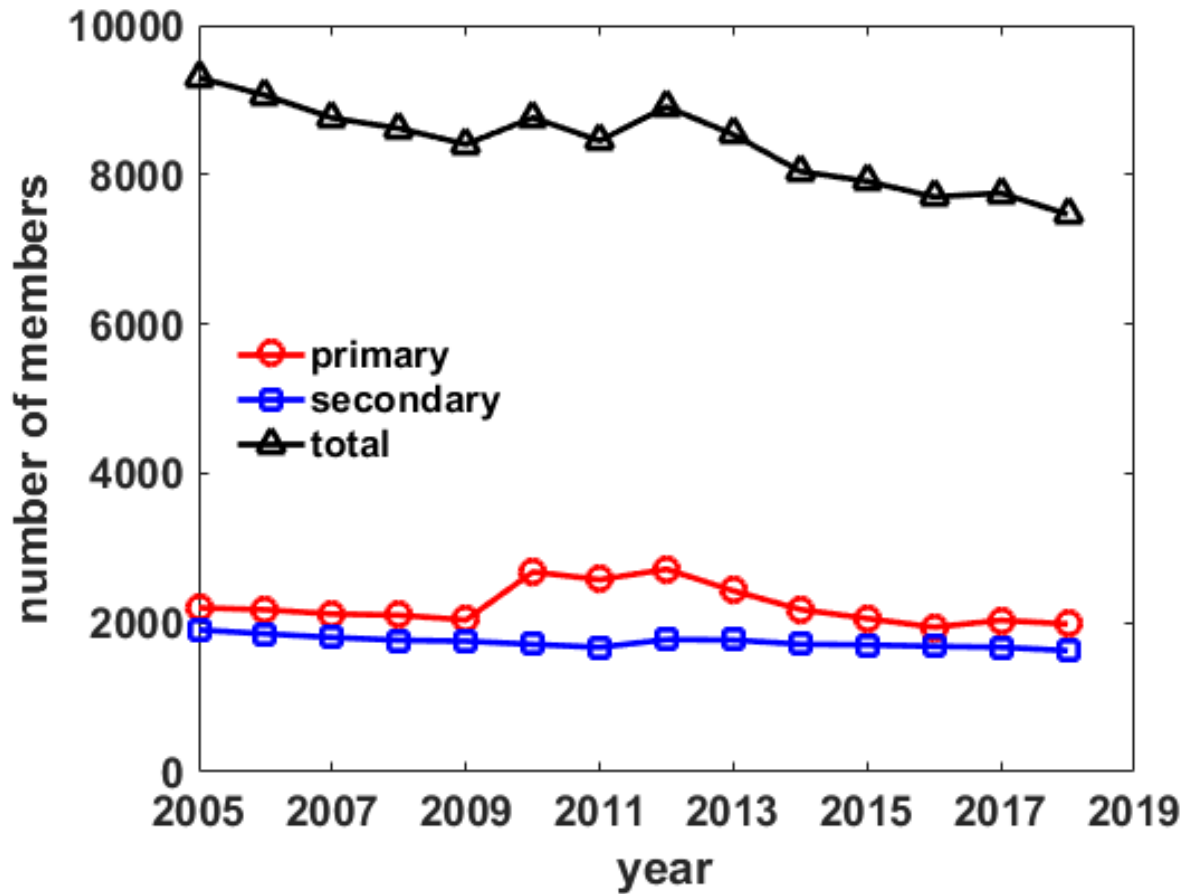
- 9:15 PM 6 Public Relations and Outreach (5 minutes per report)
- 6.1 Newsletter Xu Chen
Xu presented the report as in the attachment.
- 6.2 DSCD Website Jeff Shelton
Jeff cannot attend the meeting and instead sent the report. Jingang helped present the report as in attachment.
- 6.3 DSC Magazine Peter Meckl
Peter presented the report as in the attachment.
- 9:30 PM 7 Standing Committee Reports (5 minutes per report)
- 7.1 Honors Committee Santosh Devasia
Santosh presented the report as in the attachment.
- 7.2. Nominating Committee Peter Meckl
No update needs to be reported at this time.
- 9:40 PM 8 Recognize office bearers Anna Stefanopoulou
Anna presented the appreciation certificates to a group of DSCD officers and volunteers.
- 9:50 PM 9 Open discussion Anna Stefanopoulou
Anna called for any open discussions and no outstanding item was discussed.
- 10:00 PM 10 Closure Anna Stefanopoulou
The meeting was adjourned around 9:45 pm
- Jingang Yi
DSCD Secretary

ASME DSCD Secretary's Report

Jingang Yi

October 1, 2018

The **membership statistics** of the Division, with some historical data is shown below. As of August 31, 2018, the division has 1,982 primary members, 1,626 secondary members, and a total of 7,468 members. There are 502 student members, 274 of which are primary members and 83 of which are secondary members.



DSCD Treasurer’s Report – DSCC 2018

Hosam K. Fathy¹, ASME DSCD Treasurer

1. DSCD Segregated Account Overview

The starting balance of the account for

- FY 15 (July 1, 2014 – June 30, 2015): \$851,951.26 (spending plan \$112,120; actual *balance drop \$100,282*)
- FY 16 (July 1, 2015 – June 30, 2016): \$751,669.27 (spending plan \$185,128; actual *balance drop \$195,348*)
- FY 17 (July 1, 2016 – June 30, 2017): \$556,321.01 (spending plan \$133,120; actual *balance drop: \$101,760*)
- FY 18 (July 1, 2017 – June 30, 2018): \$454,561.05 (spending plan \$87,620). As of April 30, 2018, expenditure: \$59,960.98; revenue \$20,558.18. (There was an allocation error of \$1,585.95, in terms of the category revenue vs expense, in the report; no impact on the net balance).
- FY 19 (July 1, 2018 – June 30, 2019): \$400,067.50 (spending plan \$58,100). Expenditures and revenues for FY 2019 have not yet started accruing on ASME DSCD General Ledger report.

Balance drop/change is mostly a result of (a) spending and (b) gain/loss from investment.

2. Details for FY 18

FY 2018 runs from July 1, 2017 through June 30, 2018. The starting balance of the account for FY 18 was \$454,561. The balance as of June 30, 2018 was \$400,067.50.

The revenues for FY 2018, as of June 30, were \$18,176.48, including “membership contribution” \$1,585.95, “dividend/interest” \$3,841.15, “realized gain” \$1,881.07, and “unrealized gain” \$12,455.21.

The expenses for FY 2018, as of June 30, 2018, were \$72,670.03.

Cost item	Budgeted	Actual (as of June 30)	Note
Conference meeting expenses	\$5,000	\$3,532.79	This includes DSCC expenses incurred at ACC and DSCC.
Student travel support (DSCC)	\$6,000	\$0.00	Apparently there was some misunderstanding. ASME thought the student travel support was only from 2017 DSCC budget (\$15,000), and it appeared that DSCD funds were not tapped.
DSC magazine	\$6,000	\$60,000	\$15,000 per issue for 4 issues. One issue expected to be charged by June 2018
Volunteer travel	\$8,000	\$2,863.88	DSCD officers travel to ACC, AIM (TMECH Management Committee), and DSCC. This year was relatively low, but it is recommended

¹ A detailed draft of this report was created by Xiaobo Tan, former DSCD Treasurer, in June 2018. Revisions relative to that draft have been very minor. I would like to thank Xiaobo for creating the first draft of this report, and also for all his help during the Treasurer transition.

			that we budget at \$8,000 for future years since some travels (especially AIM) are typically overseas.
Awards and honor activities	\$8,000	\$5,782.05	TC best paper awards; division awards; certificates
External website	\$620	\$0	External website cost not posted to ASME Ledger account.
Misc.	\$0	\$491.31	Brochures; postage

A copy of FY 19 spending plan is attached. A copy of the ASME DSCD financial report (June 2018) is also attached to this report.

3. Annual Spending Plan for FY 2019

The following is the list of budget items for FY 19:

- A/V and F/B cost at DSCC conference: \$5,000.
- Student travel support: \$6,000
- DSC insert for Mechanical Engineering magazine: \$30,000.
- Volunteer travel: \$8,000.
- Awards and honor activities: \$8,000.
- External web tool: \$600.
- Miscellaneous cost: \$500.

***** Total: \$58,100**

[Spending limit: \$102,964]

A more detailed spending plan is attached to this report (prepared by Xiaobo Tan).

DSCD Annual Spending Plan for Fiscal Year 2019

DESCRIPTION OF ACTIVITIES

- *Meetings at the ASME Dynamic Systems and Control Conference (DSCC) in October 2018.* These include DSCD general meeting, Executive Committee (ExComm) meeting, DSCD journals/magazine editorial boards meetings, and meetings of all DSCD Technical Committees (TCs). Audio-Visual (A/V) cost and modest food & beverage (F/B) cost will be charged to the DSCD segregated account. Some TCs may hold meetings at other conferences closely related to their TC missions; A/V and F/B cost in those cases may also be charged to the DSCD account at the discretion of DSCD.
- *Student travel support for attending 2018 DSCC.* Travel support is provided to student authors who will be presenting papers at DSCC. The 2018 DSCC conference also sets aside \$15,000 for student support.
- *Dynamic Systems and Control (DSC) insert for Mechanical Engineering magazine.* There will be two issues (September 2018 and December 2018), and each issue is budgeted at \$15,000 (hard copies to DSCD members only).
- *Volunteer travel.* This covers DSCD ExComm members' travel to ACC, DSCC, and other events for DSCD-related businesses, as well as representatives of ASME DSCD's travel to IEEE/ASME Transactions on Mechatronics (TMECH) Management Committee meetings.
- *Awards and honor activities.* These include Division awards (Rudolf Kalman Best Paper Award; Nyquist Lecture; Yasundo Takahashi Education Award), DSCD officer gifts, and Best Paper Awards selected by DSCD Technical Committees.
- *External Web Tool.* DSCD will continue to use the external web services for FY 18.
- *Miscellaneous cost.* This includes brochures, shipping fees, and other cost for Division-related activities.

SPENDING BUDGET

- A/V and F/B cost at DSCC conference: \$5,000.
- Student travel support: \$6,000
- DSC insert for Mechanical Engineering magazine: \$30,000.
- Volunteer travel: \$8,000.
- Awards and honor activities: \$8,000.
- External web tool: \$600.
- Miscellaneous cost: \$500.

*** **Total:** \$58,100

[Spending limit: \$102,964]



Statement of Revenue & Expense as of June 30 2018

Prior Year FY2017		Reporting Year FY2018				FY2018	
FYTD JUN Actual	FYE Actual	JUN Budget	JUN Actual	FYTD JUN Bdgt	FYTD JUN Actual	Budget	Forecast
Revenue							
Reimbursements							
<u>0.00</u>	<u>0.00</u>	0.00	0.00	0.00	<u>1,585.95</u>	0.00	0.00
0.00	0.00	0.00	0.00	0.00	1,585.95	0.00	0.00
Membership							
<u>(1,761.00)</u>	<u>(1,761.00)</u>	0.00	0.00	0.00	<u>(1,585.00)</u>	0.00	0.00
(1,761.00)	(1,761.00)	0.00	0.00	0.00	(1,585.00)	0.00	0.00
Non-Operating Revenue							
<u>(3,836.04)</u>	<u>(3,836.04)</u>	0.00	(339.33)	0.00	<u>(3,841.15)</u>	0.00	0.00
<u>(7,373.43)</u>	<u>(7,373.43)</u>	0.00	(317.31)	0.00	<u>(1,881.07)</u>	0.00	0.00
<u>(16,249.70)</u>	<u>(16,249.70)</u>	0.00	1,451.44	0.00	<u>(12,455.21)</u>	0.00	0.00
(27,459.17)	(27,459.17)	0.00	794.80	0.00	(18,177.43)	0.00	0.00
(29,220.17)	(29,220.17)	0.00	794.80	0.00	(18,176.48)	0.00	0.00
(29,220.17)	(29,220.17)	0.00	794.80	0.00	(18,176.48)	0.00	0.00
Expense							
Direct Cost of Products & Services							
<u>0.00</u>	<u>0.00</u>	0.00	0.00	0.00	<u>433.00</u>	0.00	0.00
<u>600.00</u>	<u>600.00</u>	0.00	0.00	0.00	<u>0.00</u>	0.00	0.00
600.00	600.00	0.00	0.00	0.00	433.00	0.00	0.00
General Office - Controllable							
<u>88.21</u>	<u>88.21</u>	0.00	0.00	0.00	<u>50.77</u>	0.00	0.00
<u>0.00</u>	<u>0.00</u>	0.00	0.00	0.00	<u>7.54</u>	0.00	0.00
88.21	88.21	0.00	0.00	0.00	58.31	0.00	0.00
Conferences & Meetings Expense							
<u>0.00</u>	<u>0.00</u>	0.00	0.00	0.00	<u>78.80</u>	0.00	0.00
<u>13,277.28</u>	<u>13,277.28</u>	0.00	(740.00)	0.00	<u>3,453.99</u>	0.00	0.00
13,277.28	13,277.28	0.00	(740.00)	0.00	3,532.79	0.00	0.00
Volunteer Travel & Sustenance							



DYNAMIC SYSTEMS & CONTROL DIV
FUND 4-0105

Program Report

Statement of Revenue & Expense as of June 30 2018

Prior Year FY2017			Reporting Year FY2018				FY2018	
FYTD JUN Actual	FYE Actual		JUN Budget	JUN Actual	FYTD JUN Bdgt	FYTD JUN Actual	Budget	Forecast
<u>10,959.85</u>	<u>10,959.85</u>	5702 Volunteer Travel	0.00	0.00	0.00	<u>2,619.19</u>	0.00	0.00
<u>781.88</u>	<u>781.88</u>	5704 Volunteer Sustenance	0.00	0.00	0.00	<u>244.69</u>	0.00	0.00
11,741.73	11,741.73	TOTAL Volunteer Travel & Sustenance	0.00	0.00	0.00	2,863.88	0.00	0.00
		Volunteer Unit Support						
<u>110.45</u>	<u>110.45</u>	7402 Certificates	0.00	35.00	0.00	<u>557.05</u>	0.00	0.00
<u>33,312.46</u>	<u>33,312.46</u>	9924 Volunteer Awards/Honor	0.00	0.00	0.00	<u>5,225.00</u>	0.00	0.00
33,422.91	33,422.91	TOTAL Volunteer Unit Support	0.00	35.00	0.00	5,782.05	0.00	0.00
		Miscellaneous Expense						
<u>0.00</u>	<u>0.00</u>	9997 Spend Limit Balance	9,748.00	0.00	116,987.00	<u>0.00</u>	116,987.00	0.00
0.00	0.00	TOTAL Miscellaneous Expense	9,748.00	0.00	116,987.00	0.00	116,987.00	0.00
		Intercompany and Related Party Transfers						
<u>71,850.00</u>	<u>71,850.00</u>	8099 InterCo Exp Transfer	0.00	15,000.00	0.00	<u>60,000.00</u>	0.00	0.00
71,850.00	71,850.00	TOTAL Intercompany and Related Party Transfers	0.00	15,000.00	0.00	60,000.00	0.00	0.00
130,980.13	130,980.13	** TOTAL Expense **	9,748.00	14,295.00	116,987.00	72,670.03	116,987.00	0.00
101,759.96	101,759.96	** Report Sub-Total **	9,748.00	15,089.80	116,987.00	54,493.55	116,987.00	0.00
		BALANCE FORWARD						
		BEGINNING BALANCE						
<u>0.00</u>	<u>(556,321.01)</u>	3500 FUND BAL OPTG	0.00	0.00	0.00	<u>(454,561.05)</u>	0.00	0.00
0.00	(556,321.01)	TOTAL BEGINNING BALANCE	0.00	0.00	0.00	(454,561.05)	0.00	0.00
0.00	(556,321.01)	** TOTAL BALANCE FORWARD **	0.00	0.00	0.00	(454,561.05)	0.00	0.00
101,759.96	(454,561.05)	** Report Sub-Total **	9,748.00	15,089.80	116,987.00	(400,067.50)	116,987.00	0.00
101,759.96	(454,561.05)	** TOTAL DYNAMIC SYSTEMS & CONTROL DIV **	9,748.00	15,089.80	116,987.00	(400,067.50)	116,987.00	0.00



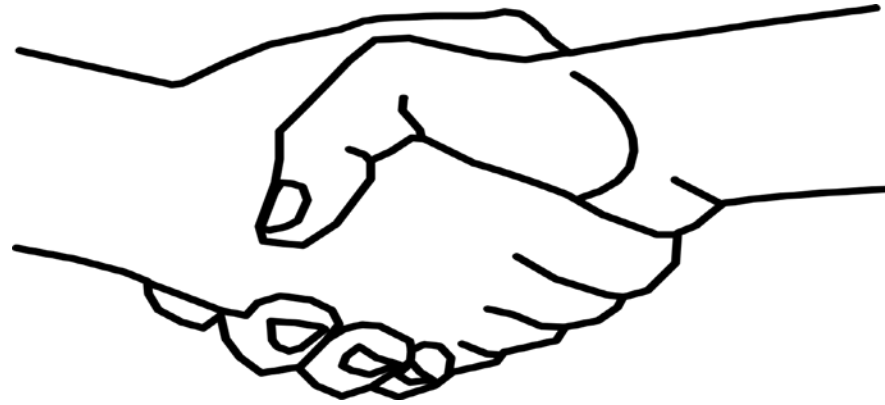
ASME 2018 DSCC

Dynamic Systems and Control Conference

CONFERENCE
Sep. 30 – Oct. 3, 2018

Atlanta, Georgia

ASME Updates at the DSCD Executive Committee Meeting



DSCC YEAR TO YEAR STATISTICAL COMPARISON

Year	Location	Attendance	# of Papers Presented	# of Papers Submitted	Acceptance Rate	Revenue	Surplus
2014	San Antonio, TX	453	300	393	76%	\$181,532	-\$2,718
2015	Columbus, OH	410	285	296	96%	\$233,499	\$40,797
2016	Minneapolis, MN	291	199	227	88%	\$154,382	\$3,323
2017	Tysons, VA	343	255	305	84%	\$187,000	-\$7,076
2018	Atlanta, GA	375 Approx.	238	284	84%	TBD	TBD

****** Surplus is after a 30% overhead is deducted (for 2017), in 2018 it will be 15%.
 Both the surplus and the loss will be absorbed by both ASME and the Division (50/50)

WHERE DO ACC AND AIM SURPLUS' GO?

The ACC share is applied to the DSCC budget for the following year.

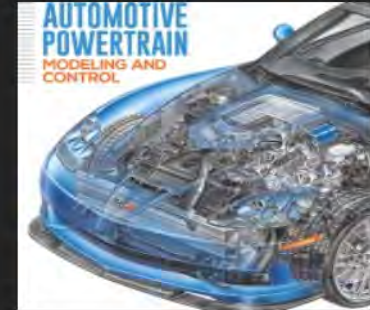
The AIM share will be applied in the same manner, less any funds provided as a loan.

The result is that once we have a good sense of the income from both events, we will be able to adjust the budget for DSCC in future years.

Dynamic Systems & Control Division

Dynamic Systems & Control Division (DSCD) evaluate, discuss, analyze and publish new technical results; stimulate research and education innovations; enhance research and education in dynamic systems and control; setting directions for the field.

[+ Join Group](#)



[Activity Feed](#)

[Group Participants](#)

[News & Updates](#)

[About](#)

[Events](#)

[Honors & Awards](#)

[Governance](#)

[Resources](#)

[Subgroups](#)

[Dynamic Systems & Control Division Executive Committee](#)

News & Updates

DSCD Activities at the ACC

Dear Colleague, below is the list of activities the DSCD is sponsoring at this year's ACC. If you have a DSCD event that you would like to hold at the ACC, please contact Dr. Qian Wang (quw6@engr.psu.edu) and he will assist you in reserving a room. I look forward to seeing everyone at the ACC.

Best Regards,

Dr. Robert G. Landers

DSCD Secretary

Archive

▼ 2014 (1)

▼ June (1)

[DSCD Activities at the ACC](#)

DSCD GROUP PAGE

- Divisions generally assign someone on the leadership committee to update their ASME.org group page. In some cases, there are two volunteers assigned to handle this task.
- The ASME.org group page is provided as a tool at no cost to the Division and is intended to provide a mechanism to enable anyone interested interacting with the Division to do so
- The DSCD also has an area on the site for its Executive Committee, which they could use to add private pages for invited volunteers only to conduct work
- This website previously managed by Media Temple is no longer available and cannot be reinstated



OTHER BUSINESS/QUESTIONS



What's New at NSF and in DCSD

**Dr. Irina Dolinskaya, Dr. Robert Landers
and Dr. Atul Kelkar***

Program Directors

Dynamics, Control and Systems Diagnostics (DCSD)

Division of Civil, Mechanical, and Manufacturing Innovation (CMMI)

National Science Foundation (NSF)

idolinsk@nsf.gov and rlanders@nsf.gov

NSF on the move!





NSF Engineering Directorate

Emerging Frontiers and
Multidisciplinary Activities
(EFMA)
Sohi Rastegar

Office of the Assistant Director
Dawn M. Tilbury, Assistant Director
Linda Blevins, Deputy Assistant Director

Senior Advisor for
Science and Engineering
Mihail Roco

Engineering
Education and
Centers
(EEC)
Don L. Millard
(Acting)

Chemical,
Bioengineering,
Environmental, and
Transport
Systems
(CBET)
Richard Dickinson

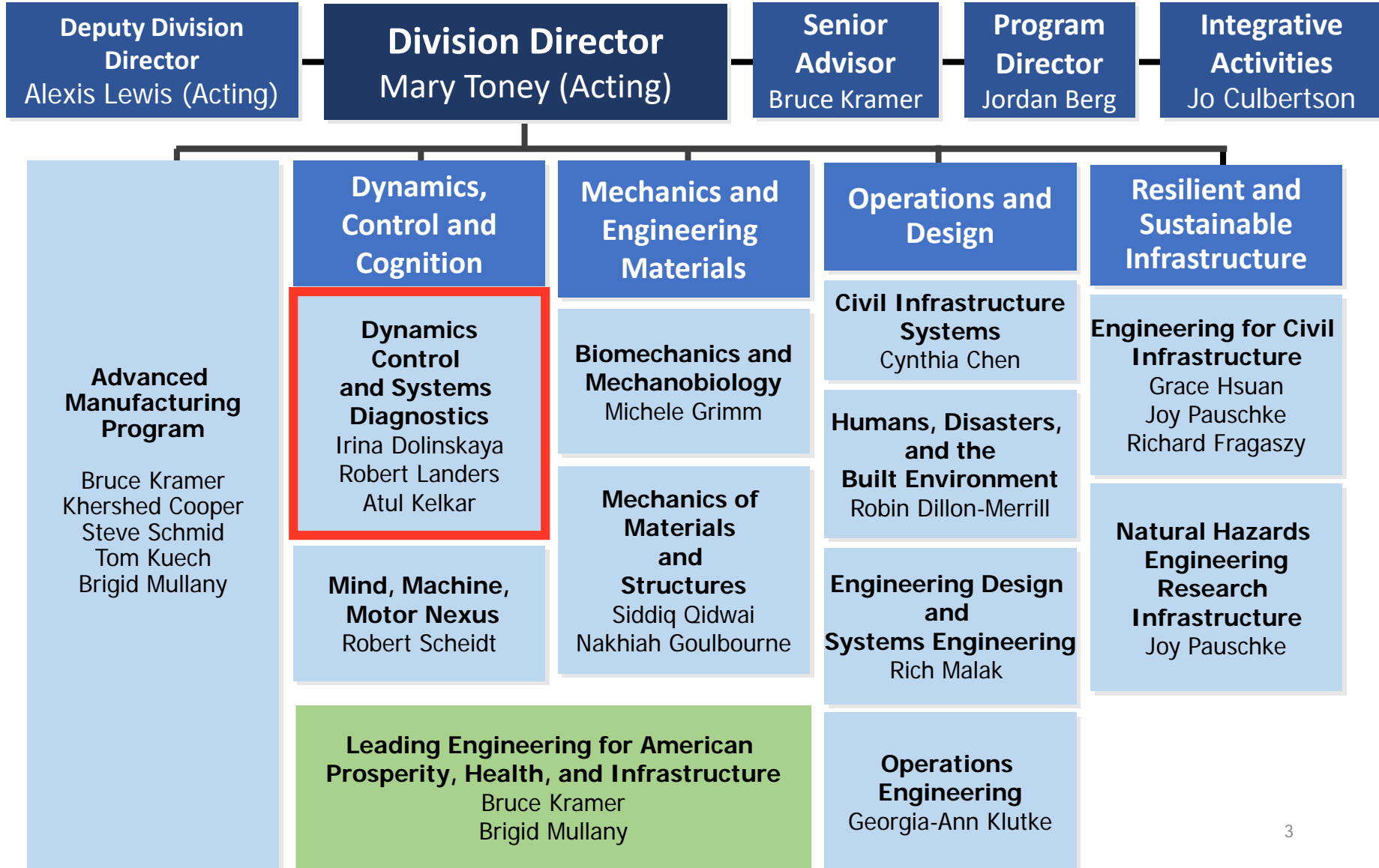
Civil,
Mechanical, and
Manufacturing
Innovation
(CMMI)
Mary Toney
(Acting)

Electrical,
Communications,
and Cyber
Systems
(ECCS)
Filbert J. Bartoli

Industrial
Innovation and
Partnerships
(IIP)
Barry W. Johnson



Civil, Mechanical, and Manufacturing Innovation (CMMI)





Relevant Funding Opportunities/Mechanisms

Unsolicited Core Programs (ENG – anytime)

Special Solicitations (some are annual, some only once)

- Assistant Professors – CAREER
- Special Research Solicitations – LEAP HI, NRI, EFRI, FW-HTF, NNA
- Major Equipment – MRI
- Large Centers – ERC, STC
- Traineeships – NRT, REU Site
- Industrial – GOALI, I/CORP, SBIR/STTR, I/UCRC, PFI

EAGER, RAPID (anytime, external review not required)

Supplemental Awards (e.g., REU, RET, INTERN)

Conferences, Workshops (anytime)



Looking Ahead: Ten Big Ideas



Navigating the New Arctic

STATISTICAL COMPUTATIONAL FOUNDATIONS
ANALYTICS & DATA MINING
DATA SCIENCE
FUNDAMENTAL RESEARCH & MACHINE LEARNING
OPEN SCIENCE
EDUCATION WORKFORCE

Harnessing Data for 21st Century Science and Engineering



Work at the Human-Technology Frontier: Shaping the Future



Understanding the Rules of Life: Predicting Phenotype

RESEARCH IDEAS

The Quantum Leap: Leading the Next Quantum Revolution



Windows on the Universe: The Era of Multi-messenger Astrophysics

PROCESS IDEAS



Growing Convergent Research at NSF



NSF-Includes: Enhancing Science and Engineering through Diversity



Mid-scale Research Infrastructure



NSF 2050: Seeding Innovation



Deadlines Removed for Core Programs

- New, unsolicited proposals may be submitted at any time.
- Change effective August 15th, 2018 for all ENG Divisions.
- Core Programs only. Solicitations and CAREER still have deadlines.
- Resubmissions: only if **substantially revised** and at least **one year from submission date**, regardless of program to which it is submitted.
- No limit to the number of pending proposals as PI or co-PI. However, each proposal must be significantly different and you cannot serve as a panelist if you have a pending proposal.
- Review process and time to receive decision will not change.
- Is there an optimal time to submit a proposal? Yes ... when you have put together the best possible proposal.



Deadlines Removed for Core Programs

Why is this change being made?

By accepting proposals at any time, ENG is affording more time to prepare proposals, build strong collaborations, and to think more creatively without the pressure of a deadline. Spreading proposal submissions more evenly over the year may also reduce the burden on principal investigators (PIs), reviewers, and proposing organizations.

Other programs in NSF have done this for multiple years. Typically, the **quality increases** and the number of **submissions drops by half**.



CMMI Open Positions

Program Director - *Engineering for Civil Infrastructure*

- IPA or Visiting Scientist Appointment

Program Director – *Advanced Manufacturing*

- Federal, IPA, or Visiting Scientist Appointment
- Expertise in materials processing

Program Director – *Engineering Design and Systems Engineering*

- IPA Appointment only

Check: <https://nsf.gov/careers/openings/> for more details



NSF Session Tomorrow!

Tuesday 1:30–3:30 in Marietta Room

Dr. Robert Landers: NSF, DCSD

Dr. Irina Dolinskaya: NNA, LEAP HI, NRI

Dr. Jordan Berg: M3X, EFRI, FW–HTF

Dr. Eduardo Misawa: ERC, NRT

American Society for Mechanical Engineers

September 2018 Status Report

Journal of Dynamic Systems, Measurement and Control

Technical Editor: Dr. Joseph Beaman

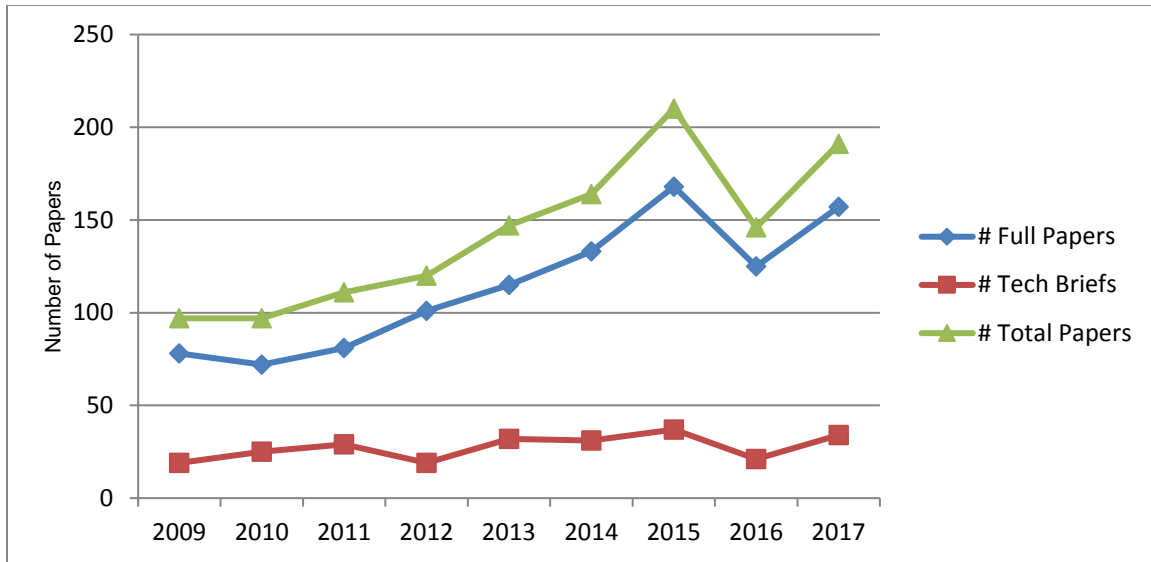
Papers Published in JDSMC 2009-2018

Issue	Number of Full Papers	Number of Technical Briefs	Number of Pages	Number of Papers
Jan 2009	12	6	168	18
Mar 2009	13	4	150	17
May 2009	14	1	147	15
July 2009	13	5	150	18
Sep 2009	13	2	144	15
Nov 2009	13	1	142	14
2009 Totals	78	19	901	97
Jan 2010	12	6	152	18
Mar 2010	13	5	154	18
May 2010	9	4	127	13
July 2010	13	4	159	17
Sep 2010	11	5	163	16
Nov 2010	14	1	158	15
2010 Totals	72	25	913	97
Jan 2011	11	7	135	18
Mar 2011	12	6	149	18
May 2011	12	1	128	13
July 2011	10	4	128	15
Sep 2011	14	5	153	19
Nov 2011	22	6	258	28
2011 Totals	81	29	951	111
Jan 2012	25	3	243	28
Mar 2012	20	5	238	25
May 2012	14	3	158	17
July 2012	13	4	156	17
Sep 2012	14	3	172	17
Nov 2012	15	1	169	16
2012 Totals	101	19	1136	120
Jan 2013	18	8	214	26
Mar 2013	21	5	229	26
May 2013	18	6	219	24
July 2013	20	3	217	23
Sep 2013	19	5	221	24
Nov 2013	19	5	221	24
2013 Totals	115	32	1321	147
Jan 2014	18	7	220	25
Mar 2014	23	5	264	28
May 2014	26	5	284	31
July 2014	28	6	302	34
Sep 2014	26	8	319	34
Nov 2014	12	5	153	17
2014 Totals	133	31	1542	164
Jan 2015	10	7	157	17
Feb 2015	13	3	153	16
Mar 2015 (SI)	12	5	168	18
Apr 2015	19	2	201	21
May 2015	19	1	203	20
Jun 2015	17	5	203	22
Jul 2015	13	3	157	18

Aug 2015	12	3	159	15
Sep 2015	13	5	159	18
Oct 2015	13	1	158	14
Nov 2015	13	2	161	17
Dec 2015	14	0	156	14
2015 Totals	168	37	2035	210
Jan 2016	10	2	133	12
Feb 2016	11	3	119	14
Mar 2016	11	1	100	12
Apr 2016	9	2	101	11
May 2016	7	1	101	8
Jun 2016	9	2	99	11
Jul 2016	10	3	102	13
Aug 2016	11	2	121	13
Sep 2016	14	0	142	14
Oct 2016	11	2	133	13
Nov 2016	14	0	137	14
Dec 2016	8	3	119	11
2016 Totals	125	21	1407	146
Jan 2017	10	5	129	15
Feb 2017	12	2	130	14
Mar 2017	12	1	130	13
Apr 2017	12	4	141	16
May 2017	13	1	150	14
Jun 2017	14	2	146	16
Jul 2017	13	3	147	16
Aug 2017	18	1	188	19
Sep 2017	16	2	187	18
Oct 2017	14	3	154	17
Nov 2017	11	6	148	17
Dec 2017	12	4	151	16
2017 Totals	157	34	1807	191
Jan 2018	14	2	150	16
Feb 2018	13	3	154	16
Mar 2018 (SI)	12	2	148	14
Apr 2018	13	2	150	15
May 2018	12	3	153	15
Jun 2018	18	3	202	21
Jul 2018	19	2	204	21
Aug 2018	19	2	200	21
Sep 2018	18	1	200	19
2018 Totals*	138	20	1561	158

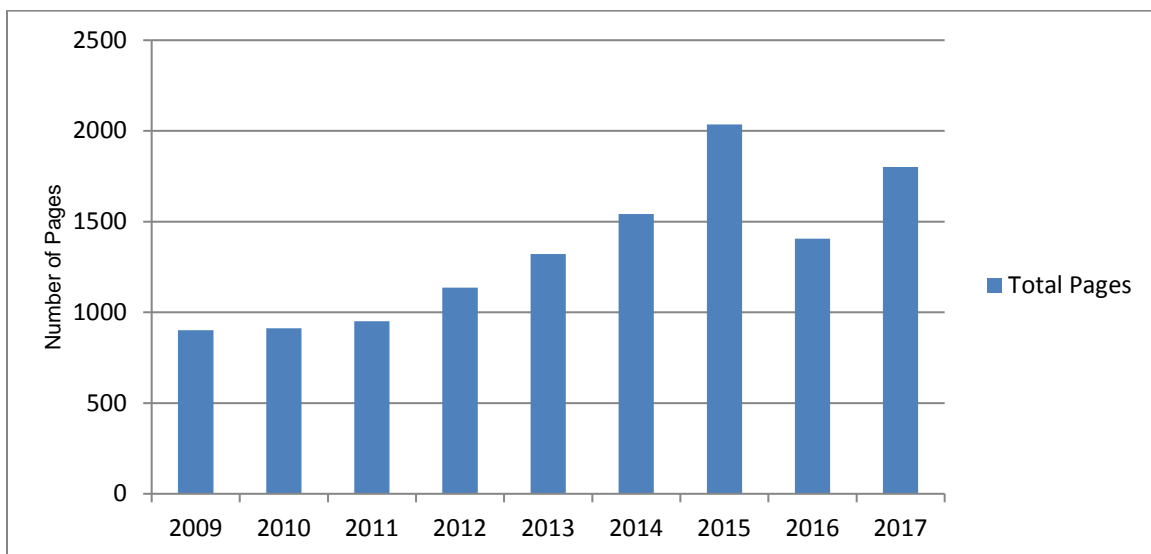
*Total represents all journal issues in the Digital Collection at the time of the report (September 27, 2018). The above chart shows the distribution of Research Papers, Technical Briefs and total pages dedicated to the journal by year since 2009 and is further broken down by individual issue. There has been a steady rise in both the number of papers and the number of pages over the years. There has been an increase in the number of submissions and papers published, averaging approximately 150 pages per issue on a monthly basis in 2017 and on trend for 170 pages per issue in 2018.

JDSMC Papers Published 2009-2017



This graph tracks the number of Research Papers, Technical Briefs and total papers published since 2009. The data is gathered from the ASME Digital Collection. The journal's growth led to a backlog of papers ready for production when it was still a bi-monthly publication schedule which is why the 2015 numbers are skewed so high. The high rate of submissions has resumed in 2017 and will focus on continuing the streamlining of the review process and publishing higher quality papers.

JDSMC Yearly Page Totals 2009-2017



The preceding graph shows the total pages published for all journal issues in a given year. 2015 published over 2,000 pages for the first time in journal history; 2017 saw the second-highest total with over 1,800 pages. We anticipate similar record highs in 2018.

Journal of Dynamic Systems, Measurement and Control

September 2018 Status Report

Journal Review Statistics

The JournalTool tracks statistics based on the year of submission for a paper, not the year of publication. Thus all stats represent totals for papers submitted in a given year irrespective of the publication year. All statistics for 2017 are accurate as of September 27, 2018. Numbers for previous years have been revised as the papers submitted in those years continue to move through the review process.

Paper Review Stats by Year of Submission 2003-2017

Year Submitted	Total Number of Papers Submitted	Total Number Papers Rejected	Rejection Paper %	Total Number of Papers Withdrawn/Remove	Total Number of Papers Accepted	Accepted Paper %
2003	399	211	53%	70	118	30%
2004	339	183	54%	65	91	27%
2005	373	186	50%	87	100	27%
2006	393	221	56%	83	89	23%
2007	336	191	57%	68	77	23%
2008	389	188	48%	83	118	30%
2009	374	187	50%	90	97	26%
2010	384	166	43%	89	129	34%
2011	413	210	51%	83	120	29%
2012	438	193	44%	110	135	31%
2013	537	272	51%	111	152	28%
2014	554	276	50%	124	154	28%
2015	662	311	47%	164	187	28%
2016	619	331	53%	99	188	30%
2017*	642	324	50%	81	178	28%

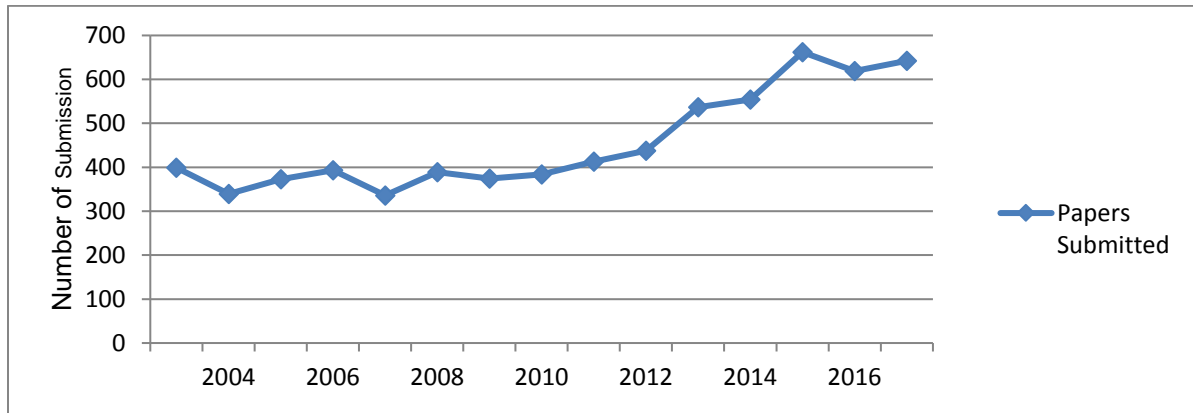
*Stats as of 9/27/18

Paper submissions have steadily risen the last six years. 2017 continued the trend begun in 2015 with over 600 submissions for the year. The percentage of papers rejected is in line with historical norms. The percentage of papers accepted has steadily declined since a high of 34% in 2010 even while the journal continues to produce at a high rate.

Journal of Dynamic Systems, Measurement and Control

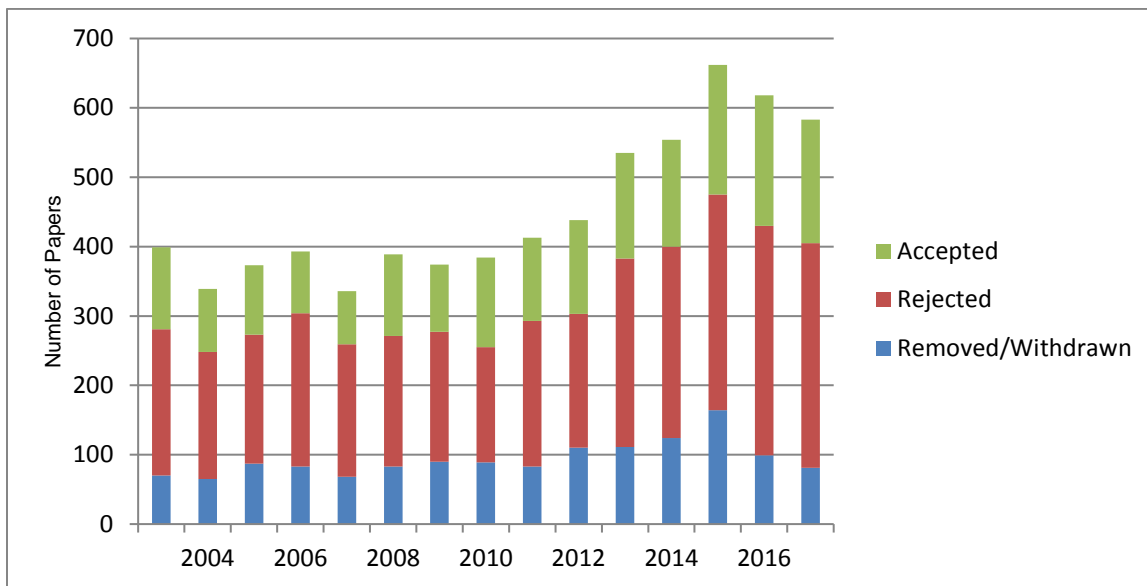
September 2018 Status Report

JDSMC Paper Submission Growth 2003-2017



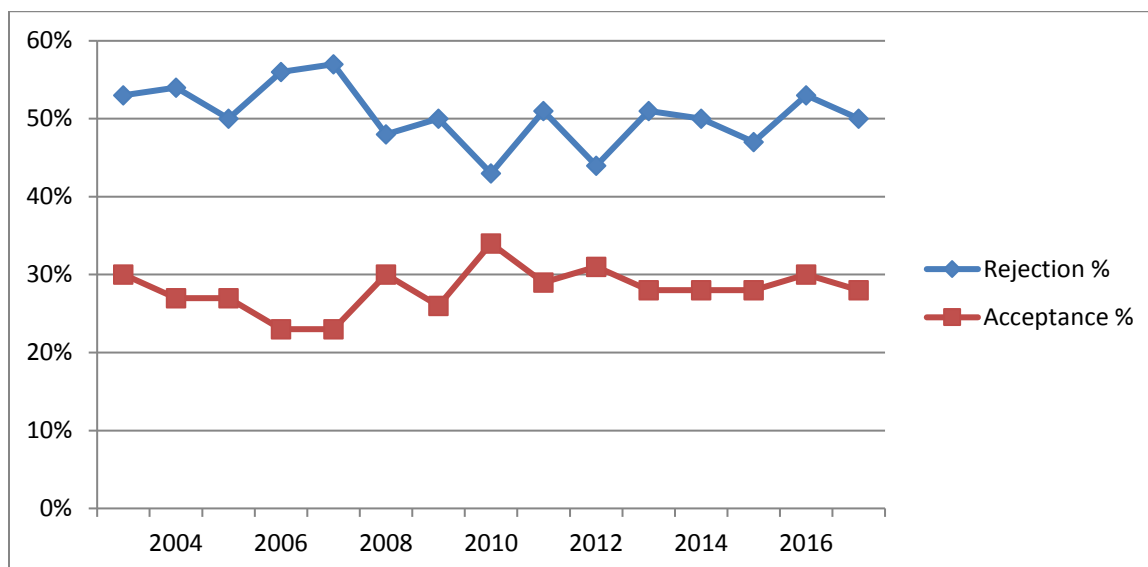
This graph shows the yearly increase in paper submissions to the journal. The journal's growth rose to a record high in 2015. Submissions to the journal topped 600 again in 2016 and 2017, reaching a total number of 642 papers in 2017.

JDSMC Submitted Paper Fate by Year of Submission 2003-2017



This graph shows the number of papers submitted by year and the distribution of their fate. Previous years have been updated.

JDSMC Exclusivity 2003-2017



This graph plots the percentage of papers submitted in a year that are either rejected or accepted for publication. The 2016 are holding steady with norms set in the previous 3 years; 2017's numbers are skewed due to the fact that a large number of papers are still under review.

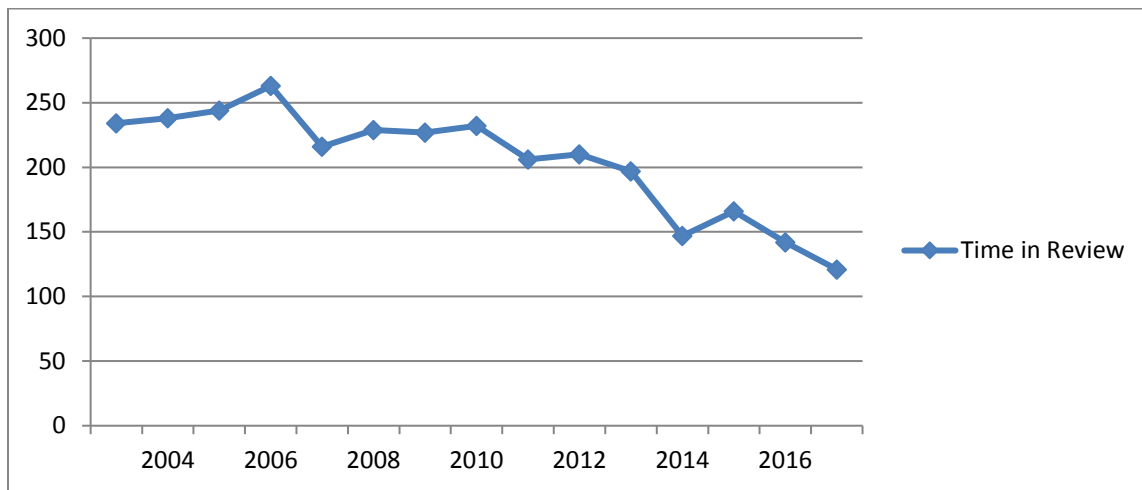
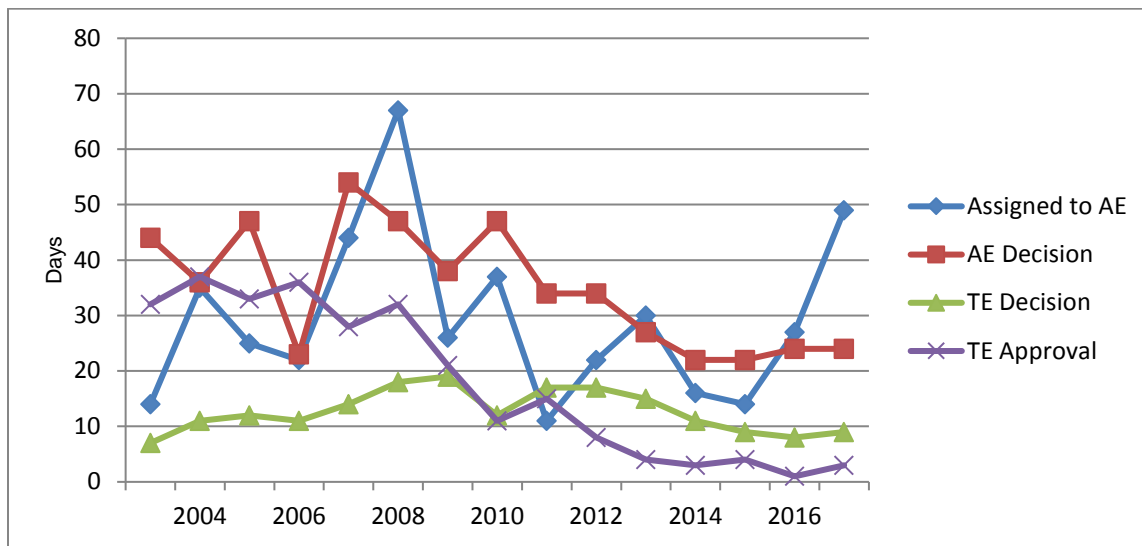
Statistics for Time in Process by Year of Submission 2003-2017

Year	Papers	Assigned to AE (days)	Time in Review (days)	AE Decision (days)	TE Decision (days)	TE Approval (days)	Submission to TE Decision (months)	Submission to Publication (months)
2003	399	14	234	44	7	32	10.505	27.475
2004	339	35	238	36	11	37	8.720	28.457
2005	373	25	244	47	12	33	8.749	24.276
2006	393	22	263	23	11	36	7.052	23.175
2007	336	44	216	54	14	28	8.675	24.123
2008	389	67	229	47	18	32	9.669	21.933
2009	374	26	227	38	19	21	10.993	22.509
2010	384	37	232	47	12	11	11.257	21.335
2011	413	11	206	34	17	15	9.091	20.429
2012	438	22	210	34	17	8	9.699	18.827
2013	537	30	197	27	15	4	8.313	17.320
2014	554	16	147	22	11	3	6.033	15.137
2015	662	14	166	22	9	4	6.371	14.395
2016	619	27	142	24	8	1	5.996	15.104
2017 YTD	642	49	121	24	9	3	5.438	11.741

The preceding statistics for review times are tracked by the year a paper is submitted. The journal has steadily decreased the amount of time papers spend in review and/or production. 2017 numbers are skewed due to the large amount of papers that are in the review process.

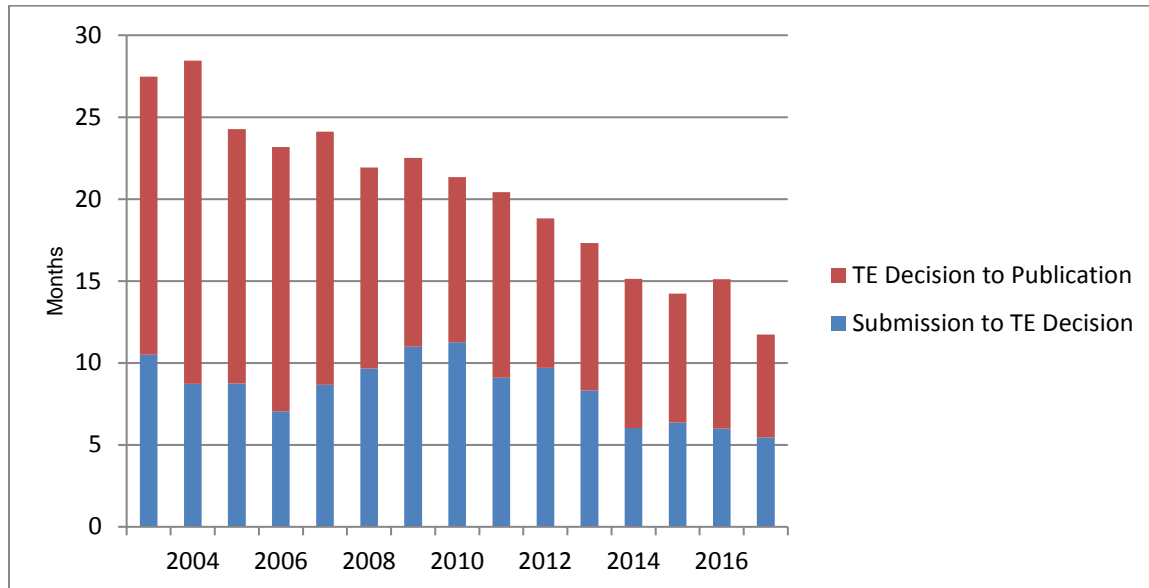
Journal of Dynamic Systems, Measurement and Control September 2018 Status Report

Average Time for Various Aspects of Review Process 2003-2017



These graphs plot the time various aspects of the review process take. The time in review still remains the largest portion of this process while overall, all aspects seem to be holding steady. 2017 numbers are skewed due to the number of papers still in the review process.

Average Time for Review and Production 2003-2017



This graph shows the total average time it takes a paper to go from submission to publication. It is further broken down between the total time under review and the total time in production. While the production side has historically been the larger component, the entire process has gradually become more streamlined.

Journal of Dynamic Systems, Measurement and Control
September 2018 Status Report

Active Associate Editors

Name	Institution	Term End Date
Ashrafioun, Hashem	Villanova University	15-Dec-18
Ayalew, Beshah	Clemson University	15-Jan-18 (Extended to 15-Jul-18)
Ayoubi, Mohammad A.	Santa Clara University	01-Nov-20
Bearee, Richard	Arts et Métiers ParisTech	01-Jun-21
Bristow, Douglas	Missouri University of Science and Technology	26-Jan-21
Cao, Dongpu	Cranfield University	01-Jun-19
Caruntu, Dimitru	University of Texas Rio Grande Valley	01-Jan-21
Cha, Youngsu	Korea Institute of Science and Technology	01-Mar-21
Chakravorty, Suman	Texas A&M University	01-Feb-21
Chen, Daniel X.B.	University of Saskatchewan	01-Jun-21
Choi, Jongeun	Yonsei University	15-Dec-18
Fang, Yongchun	Nankai University	01-May-19
Farhood, Mazen	Virginia Tech University	01-Sep-18 (Extended to 01 Mar 19)
Handroos, Heikki	LUT	15-Feb-20
Hsiao, Tesheng	National Chiao Tung University	01-Dec-18
Ibaraki, Soichi	Hiroshima University	01-Jun-21
Jeon, Soo	University of Waterloo	01-Sep-18 (Extended to 01 Dec 18)
Kumar, Manish (also a Guest Editor)	University of Cincinnati	01-Dec-17 (Extended to 01 Dec 18)
Li, Huiping	Northwestern Polytechnical University	15-Apr-21
Liu, Yahui	Tsinghua University	15-Apr-21
Nagamune, Ryoza	University of British Columbia	15-Dec-18
Salapaka, Srinivasa M.	University of Illinois	01-Aug-18 (Extended to 01 Dec 18)
Shahbakhti, Mahdi	Michigan Tech. University	15-Aug-20
Shi, Yang	University of Victoria	01 Mar 15 To 01 Mar 18 (Extended to 01-Sep-18)
Spinello, Davide	University of Ottawa	01-May-18 (Extended to 01 Nov 18)
Subramanian, Shankar Coimbatore	Indian Institute of Tech, Madras	01-Jun-18 (Extended to 01-Oct-18)
Sun, Zongxuan	University of Minnesota	01-Jan-18 (Extended to 01- Oct - 18)
Vahidi, Ardalan	Clemson University	01-Jun-18 (Extended to 01 Jan 19)

Vaidya, Umesh	Iowa State University	15-Feb-20
Wang, Junmin (also a GE)	Ohio State University	15-Dec-19
Wu, Fen	North Carolina State University	01-Jun-21
Xian, Bin	Tianjin University	01-Jun-21
Xin, Ming	University of Missouri	01-Dec-20
Xu, Yunjun	University of Central Florida	15-May-19
Yan, Fengjun	McMaster University	15-Apr-21
Zhang, Xuebo	Nankai University	15-Apr-21
Fish, Scott (GE)	University of Texas	19-Jan-19
Gorsich, David (GE)	TARDEC	19-Jan-19
Tan, Xiaobo (GE)	Michigan State University	19-Jan-19
Vantsevich, Vladimir (GE)	University of Alabama at Birmingham	19-Jan-19

Total Number of Active Editors 2003-2018



Year	Guest Editor	Associate Editor
2003	0	19
2004	0	21
2005	1	18
2006	0	22
2007	0	24
2008	4	27
2009	4	34
2010	3	29
2011	1	27
2012	0	29
2013	2	29
2014	2	25
2015	2	35
2016	4	32
2017	3	32
2018	6	36

The total number of Associate Editors includes those whose term has been extended into this year but does not include those whose term has already ended this year.

Associate Editor Paper Load

Year	Papers	AEs	Paper Load
2003	399	19	21.00/yr
2004	339	21	16.14/yr
2005	373	18	20.72/yr
2006	393	22	17.86/yr
2007	336	24	14.00/yr
2008	389	27	16.21/yr
2009	374	34	11.00/yr
2010	384	29	13.24/yr
2011	413	27	15.30/yr
2012	438	29	15.10/yr
2013	537	29	18.52/yr
2014	554	25	22.16/yr
2015	662	35	18.91/yr
2016	619	32	19.34/yr
2017	642	36	17.83/yr

This chart shows the number of papers submitted in a year, the number of Associate Editors that year, and the average number of papers that each AE could expect to review. There had been a steady increase of the number of papers each AE could expect to review on average that hit its highest point in 2014. Due to AE terms ending and the time needed to find replacements, the paper load has averaged 19 papers per year. We have added several new AEs in 2018 in order to reduce the individual workload in an effort to speed up the review process.


IEEE/ASME TRANSACTIONS ON


Mechatronics

Editor-in-Chief Status Report

George Chiu
gchiu@purdue.edu

Executive Summary:

- Record submission in 2017: 1652 (up from 1481 in 2016)
- 2017 Impact Factor: 3.936 dropped from 4.357 (2016)
- Change to 3-tier system starting 1 January 2018
- 2017 TMECH Best Paper Award
- TMECH+AIM collaboration

October 2018
TMECH EIC Report
1

2018 Management Committee

	2016	2017	2018
Chair	Dong-Soo Kwon (RAS)	Kok-Meng Lee (DSCD)	Roberto Oboe (IES)
Treasurer	Santosh Devasia (DSCD)	Makoto Iwasaki (IES)	Kyujin Cho (IES)
Secretary	Makoto Iwasaki (IES)	Aaron Dollar (RAS)	Kok-Meng Lee (DSCD)
Members	Roberto Oboe (IES)	Roberto Oboe (IES)	Hiroshi Fujimoto (IES)
	Aaron Dollar (RAS)	Kyujin Cho (RAS)	Aaron Dollar (RAS)
	Kok-Meng Lee (DSCD)	Santosh Devasia (DSCD)	Xiaobo Tan (DSCD)

Officers of the Management Committee rotate among the sponsoring societies.

2018 Editorial Staff

- Editor-in-Chief: George Chiu, Purdue University (2017-19)
- Editorial Office: Ms. Robin Terwilliger, Purdue University
- Technical Editors: 64
 - 3 year term with 1st 12 months as trial, extend for another 12 months (4 years total)

October 2018
TMECH EIC Report
2

Publication Status

2018 (Vol 23)

- **February issue** – 496 pages, 48 articles
 - Focused Section – Health Monitoring, Management and Control of Complex Mechatronic Systems
 - Regular papers – 27 articles
- **April issue** – 484 pages, 48 articles
 - Regular papers – 48 articles
- **June issue** – 508 pages, 48 articles
 - Focused Section – Sensing and Perception Systems for Intelligent Manufacturing
 - Regular papers – 36 articles
- **August issue** – 531 pages, 48 articles
 - Regular papers – 48 articles
- **October issue** – 496 pages, 48 articles
 - Regular papers – 47 articles

2018 page budget: 3000, pages used (5 issues): 2534

October 2018

TMECH EIC Report

3

Page Budget and Backlog

Page budget growth:

Year	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18
Pages	710	750	752	750	794	1028	1224	1232	1832	2000	3292	3000	3000	3000
Issue	6	6	6	6	6	6	6	6	6	6	6	6	6	6

- **Recommend maintain current 3000 page annual budget and gradually adjust based on submission number**

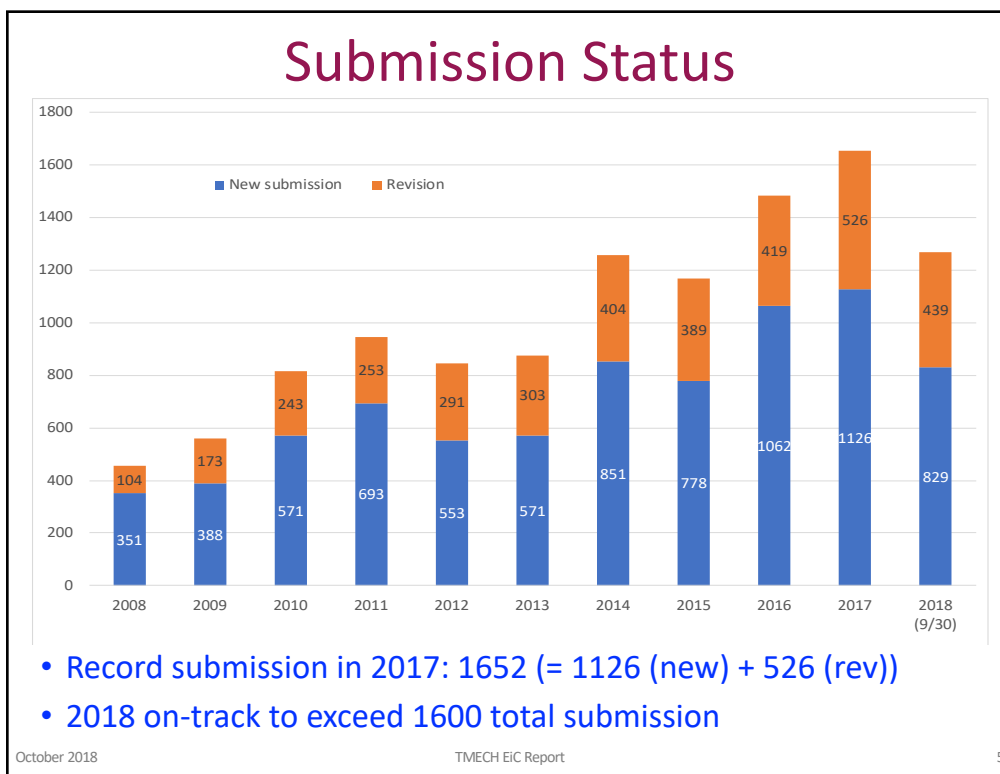
Backlog (**no more**)

- **91** articles in Early Access
- **48** articles will be published in October 2018 issue
- **43** articles are waiting to be assigned (< 2-3 months)

October 2018

TMECH EIC Report

4



At-a-Glance Update

Submission Statistics	YTD	MTD	Prior 12 Months	Monthly Avg. Prior 12 Months
Focused Section	36	0	55	4.6
Regular paper	754	83	1022	85.2
Short paper	31	4	41	3.4
Letter	5	0	6	0.5
Focused Section Short Paper	3	0	5	0.4

Journal Statistics	MTD	Prior 12 Months
Avg. days from submission to first decision	0.0	99.1
Avg. Reviewer turnaround time (days) - Original	7.8	27.8
Avg. Reviewer turnaround time (days) - Resubmission	6.8	27.1
Avg. Reviewer turnaround time (days) - Revision	6.8	23.0
Avg. Time to Assign Reviewer (days) - Original	5.6	10.7
Avg. Time to Assign Reviewer (days) - Resubmission	11.7	9.0
Avg. Time to Assign Reviewer (days) - Revision	3.0	9.9
Avg. days from submission to final decision	0.0	112.6

Other Statistics	
Accept Ratio (prior 12 months)	237 : 769 (30.8%)

October 2018 TMECH EIC Report As of 30 September 2018 6

Impact Factor and Ranking

New data just out for 2017

	2013	2014	2015	2016	2017	Journal in category (2015)
Impact Factor	3.652	3.427	3.851	4.357	3.936	
Rank in Engineering, Manufacturing	1	1	1	1	4	46
Rank in Automation and Control Systems	4	3	3	6	10	61
Rank in Engineering, Mechanical	6	3	5	3	9	128
Rank in Engineering, Electrical & Electronics	18	17	12	25	38	260

Need to improve! Reduce review time – by improving EIC efficiency...

2017 TMECH Best Paper Award

System Design and Control of a Resonant Fast Steering Mirror for Lissajous-Based Scanning

Ernst Csencsics and Georg Schitter

vol. 22, no. 5, pp. 1963-1972

DOI: 10.1109/TMECH.2017.2722578

Three Tier Editorial Structure

- Technical Editor (TE)
 - Handling manuscript review and recommendation
- Senior Editor (SE) – Technical area (determine by EiC)
 - Assign manuscript to TE
 - Ensure review integrity and make area recommendation
 - Make out-of-scope and quality rejection with EiC
 - Evaluate FS and review/tutorial paper proposals with EiC
 - Nominate TE to EiC
 - EiC nominate and MC approve
- Editor-in-Chief (EiC)
 - Manage Editorial office for initial format/admin review
 - Make final decision (per IEEE guideline)
 - Handle exceptions (out-of-scope, quality rejection, ethics,...)
 - Evaluate FS and review/tutorial paper proposals with SE

October 2018

TMECH EiC Report

9

Three Tier Editorial Structure

- Proposed implement timeline
 - **2018 October** – EiC and EiC-Elect nominate SE candidate to MC + ScholarOne begin conversion
 - **2018 November** – MC approval SE candidate + ScholarOne trial system testing
 - **2019 January** – ScholarOne Manuscript switch to 3 tier systems.
 - **2019 September** – EiC-Elect takes over new submissions, EiC handles existing and revision submission
 - **2020 January** – Complete EiC switch over

October 2018

TMECH EiC Report

10

TMECH+AIM

- Better integrate TMECH with AIM and improve AIM participation – leverage experience with ICRA and IROS.
- TMECH submissions that are accepted before AIM paper submission deadline are given the option to present at the following AIM.
 - Authors/articles accepted the option (committed to attend the following AIM with advanced registration) will provide the paper information and material to be included in the AIM program but not in the AIM proceedings.
 - AIM program committee has freedom to embed TMECH papers in to AIM program. For example, in TMECH only sessions or mix into regular AIM sessions.
- AIM CEB Chair will encourage selected AIM authors to submit extended version for an AIM Focused Section in TMECH the next year.

October 2018

TMECH EIC Report

11

TMECH+AIM

- Example process (based on 2019 AIM deadline)
 - **1 Aug 2018 -28 Feb 2019** (2019 AIM submission deadline) – TMECH accepted papers are given the options to present their work at the 2019 AIM with commitment to attend AIM and pays advanced registration fee.
 - **1 April 2019** – Deadline for TMECH papers to submit abstract to AIM submission site for inclusion into AIM program
 - **25 April 2019** – AIM acceptance (include TMECH papers) notification
 - **15 May 2019** – AIM final submission. TMECH papers submit abstract/one-slide to be included in the program booklet and need to pay advance registration. TMECH paper will count as allowance for full registration.
 - **15 July 2019** – AIM CEB Chair invite authors for AIM Focused Section in 2020

October 2018

TMECH EIC Report

12

ASME DSCD Student Travel Grants

Prepared by Carrie Hall

Student travel grants were made available for DSCC 2018 to partially assist students with registration, travel and hotel costs. A total of 70 students have applied and a total of \$21,000 has been allocated for student travel grants. Reimbursements of \$270 are expected to be made for all applicants. Finalists for the best student paper will receive \$600.

2018 ASME Dynamic Systems and Control Conference (DSCC)

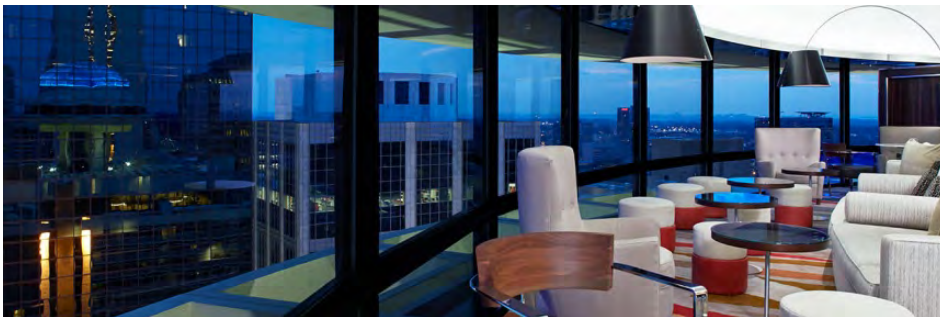
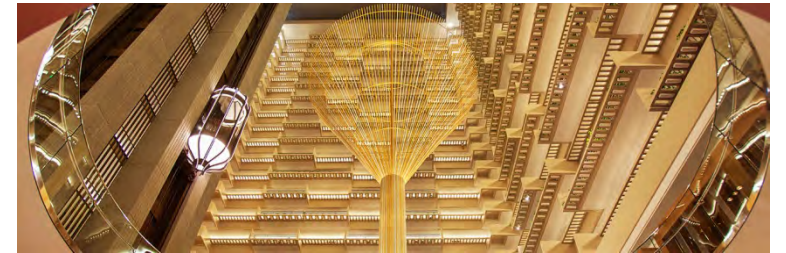
**September 30 – October 3, 2018
Atlanta, Georgia**

Xiaobo Tan, General Chair

Venue

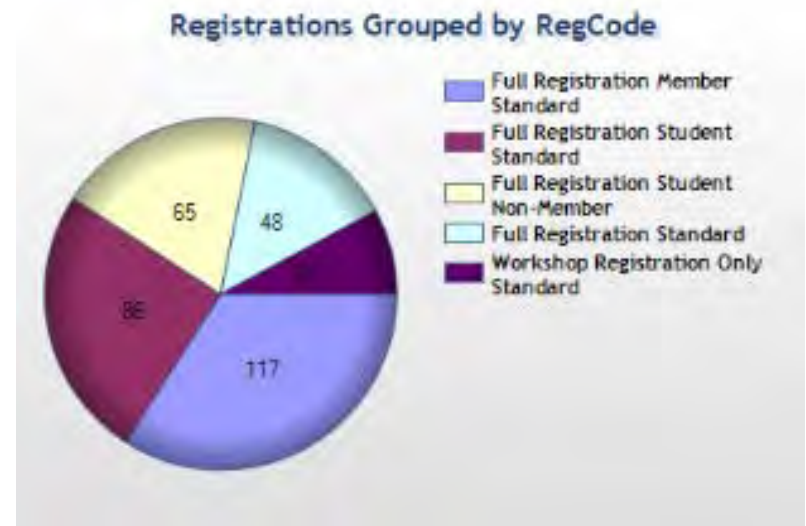
Hotel: Hyatt Regency, Atlanta

- Guest room rate \$179
- Convenient downtown location, 12 miles from the airport, connected directly to MARTA
- Blocks away from Georgia Aquarium, the World of Coco-Cola and other attractions; 1.5 miles from Georgia Tech



Registration

- Advance member registration (by August 20): \$555; advance student member registration \$255.
- Total as of September 26: **358**
 - Full registration (member): 117
 - Full registration (non-member): 49
 - Student registration (member): 86
 - Student registration (non-member): 65
 - Misc (workshops only, one day only, etc): 41



Paper Submissions, Acceptance, Programming

- 291 draft papers submitted, including 12 invited sessions
- 245 papers accepted (notifications sent early week of June 4)
- Final program: 238 papers; 9 invited sessions and 33 contributed sessions (6 parallel sessions, 7 two-hour slots: MA, MM, ME, TA, TM, TE, WA)
- Initial acceptance rate: 84.19%. **Final acceptance rate: 81.79%.** Comparable to 2017 DSCC acceptance rate (257 out of 305, 84.26%).

Workshops

- Held on the afternoon of September 30 (Sunday)
- Five workshops, registrations as of September 26: [74]
 1. From data to models and decisions in engineering systems [7]
 2. Enhancing energetic performance for mobile and wearable robotic systems [9]
 3. Connected and automated vehicles [33]
 4. The future of mechatronics and robotics education [21]
 5. Autonomous control for rotorcraft operation [4]

Plenary Talks

- October 1, 2018 (morning):
Nyquist Lecturer: Huei Peng
(University of Michigan)
- October 2, 2018 (morning):
Marcia O'Malley (Rice
University)
- October 2, 2018 (evening):
Oldenburger Medalist: Roberto
Horowitz (University of
California, Berkeley)
- October 3, 2018 (morning):
Magus Egerstedt (Georgia Tech)



Best Student Paper Award Competition

- 20 nominations received.
- Three-tier evaluation process
 - A committee was formed to conduct reviews of all 20 candidates.
 - Another committee evaluated the papers, conference reviews, and reviews from first committee, and generated five finalists.
 - Winner to be selected at the special session, 6-7pm on October 1, Piedmont
- Finalists
 - **Sahand Sadeghi:** The Effect of Nonlinear Springs in Jumping Mechanism.
 - **Poya Khalaf:** Development and Experimental Validation of an Energy Regenerative Prosthetic Knee Controller and Prototype.
 - **Abhinav Tripathi:** Experimental Investigation and Analysis of Auto-Ignition Combustion Dynamics
 - **Bingjie Hao:** Eddy-Current Dynamic Model for Simultaneous Geometrical and Material Parameter Measurements of Magnetic Materials
 - **Huan Yu:** Stabilization of Traffic Flow with Autonomous Vehicles

Student Travel Support

- Total support: \$21,000
 - \$15,000 from conference budget
 - \$6,000 from DSCD
- About 70 applications received

Student Networking Events

- **Student Networking Event (Academia)**
 - 12-1 pm on October 2, Vinings
 - Mentors: Samuel Coogan (Georgia Tech), Zhaojian Li (MSU), Junmin Wang (UT Austin), Yue Wang (Clemson), Fumin Zhang (Georgia Tech)
- **Student Networking Event (Industry)**
 - 12-1 pm on October 2, Roswell
 - Mentors: Carlos Felipe Alcala Perez (Johnson Controls), Zuzana Fabusova (Quanser), Dalong Gao (GM), Chunhao Lee (GM), Yan Wang (Ford)

Other Special Sessions/Events

- **CAREER Workshop**
 - 12-1 pm on October 1, Spring
 - Panelists: Sean Andersson (BU), Kira Barton (Umich), Xu Chen (Uconn), Carrie Hall (IIT), Robert Landers (NSF)
- **NSF Funding Session**
 - 1:30-3:30 pm on October 2, Marietta
 - NSF PDs: Irina Dolinskaya, Robert Landers, Eduardo Misawa
- **Georgia Tech Lab Tour**
 - 1- 5 pm on October 3
 - Attendees registered (as of September 25): 77

Sponsorships and Exhibits

- Spectra Quest (*Silver*)
- FD Groups America (*Bronze*)
- Quanser (*Bronze*)
- University of Utah (*Bronze*)
- Michigan State University (*Bronze*)
- Georgia Tech (*Bronze*)
- IEEE/CAA Journal of Automatica Sinica (*Bronze*)
- MDPI journals: Robotics, Machines (*Bronze*)

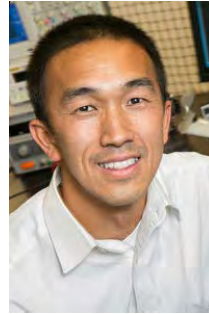
Organizing Committee



General Chair
Xiaobo Tan



Program Chair
George Zhu



Exhibits Chair
Kam Leang



Local Arrangements
Chair, **Jun Ueda**



Invited Sessions
Chair, **Juan Ren**



Workshops Chair
Sean Andersson



Students Chair
Vaibhav Srivastava



Publications Chair
Doug Bristow



Publicity Chair
Yue Wang



CEB Chair
Fen Wu

ASME Staff: Edmond Valpoort (Conference Program Manager), **Stacey Cooper** (Conference Webtool Manager)

2018 DSCC

The ASME 2018 Dynamic Systems and Control Conference

<https://www.asme.org/events/dscc>

October 1-3, 2018, Hyatt Regency Atlanta, Atlanta, Georgia, USA



Conference Organizers

General Chair

XIAOBO TAN, xbtan@egr.msu.edu
Michigan State University

Program Chair

GEORGE ZHU, zhu@egr.msu.edu
Michigan State University

Exhibits and Industrial Liaison Chair

KAM K. LEANG, kam.k.leang@utah.edu
University of Utah

Local Arrangements Chair

JUN UEDA, jun.ueda@me.gatech.edu
Georgia Tech

Invited and Special Session Chair

JUAN REN, juanren@iastate.edu
Iowa State University

Workshops and Tutorials Chair

SEAN ANDERSSON, sanderss@bu.edu
Boston University

Students and Young Members Chair

VAIBHAV SRIVASTAVA,
vaibhav@egr.msu.edu
Michigan State University

Publications Chair

DOUGLAS A. BRISTOW, dbristow@mst.edu
Missouri University of Science and
Technology

Publicity Chair

YUE WANG, yue6@clemson.edu
Clemson University

Conference Editorial Board Chair

FEN WU, fwu@ncsu.edu
North Carolina State University

ASME Program Manager

ERIN DOLAN, dolane@asme.org
ASME

Conference Toolbox Coordinator

toolboxhelp@asme.org

The 2018 Dynamic Systems and Control (DSC) Conference will be held on October 1-3, 2018 at the Hyatt Regency Atlanta, located in the heart of downtown Atlanta, Georgia.

The venue is one of the top Atlanta luxury hotels and is connected to the MARTA transit system and blocks away from major attractions such as Georgia Aquarium and the World of Coca-Cola. On behalf of the 2018 DSCC Organization Committee and the Dynamics Systems and Control Division (DSCD) of ASME, we cordially invite you to enjoy an exciting technical program and a unique opportunity to network.

The DSC conference is the showcase technical forum of the ASME Dynamic Systems and Control Division. It provides a focused and intimate setting for dissemination and discussion of the state of the art in dynamic systems and control research, with a mechanical engineering focus. The 2018 DSC Conference Technical Program will consist of sessions in all of the usual areas of interest to the Division that include, but are not limited to, automotive and transportation systems, bio-systems and health care, energy systems, mechatronics, modeling, identification, intelligent systems, robotics, vibrations, and smart structures. Highlights of the 2018 DSCC will include:

- Four plenary talks given by distinguished scholars, including the Oldenburger Lecture and the Nyquist Lecture.
- Workshops and tutorials that are focused on emerging topics.
- Invited and special sessions on technical tracks and funding programs that are of interest to the DSC community.
- Student programs including Best Student Paper competition, networking with faculty recruiters, and networking with industry.
- Exhibits by industry.
- Extensive networking opportunities during the opening reception, continental breakfasts, the banquet, and the farewell lunch.

All accepted papers must be presented on-site at the conference by an author of the paper. Papers which are not presented (no-shows) will be removed from the official conference proceedings and will not be indexed through the ASME Digital Collection.

Online access to conference papers will be given to all registered attendees at the start of the conference. Following the event, the official proceedings of the conference are published in the ASME Digital Collection, and will be submitted to all major indexes including EI Complex, Scopus, and the ISI Conference Proceedings Citation Index.

Important Dates

- Submission of invited session proposals - April 2, 2018
- Submission of contributed and invited papers - April 9, 2018
- Notification of acceptance/rejection - May 28, 2018
- Submission of final papers - July 9, 2018



2019 ASME Dynamic Systems and Control Conference Grand Summit Hotel, Park City, Utah, October 9-11 Updates

Kam K. Leang (General Chair), University of Utah

Garrett Clayton (Program Chair), Villanova University



Conference Organizers



General Chair
Kam K. Leang
University of Utah



Program Chair
Garrett Clayton
Villanova University



Local Arrangements Chair
Steve Mascaro
University of Utah



Publicity Chair
Zheng Chen
University of Houston



Publications Chair
Mohammad Al Janaideh
Memorial Univ. of Newfoundland



Workshops & Tutorials Chair
Reza Moheimani
UT Dallas



Invited/Special Sessions Chair
Carrie Hall
Illinois Institute of
Technology - Chicago



Students and Young Members Chairs
Matteo Aureli and Nicole Abaid
Univ. of Nevada, Reno and Virginia Tech



Conf. Editorial
Board Chair
Fen Wu
North Carolina
State University



ASME Program Manager
Exhibits and Industry Liaison
Edmond Valpoort

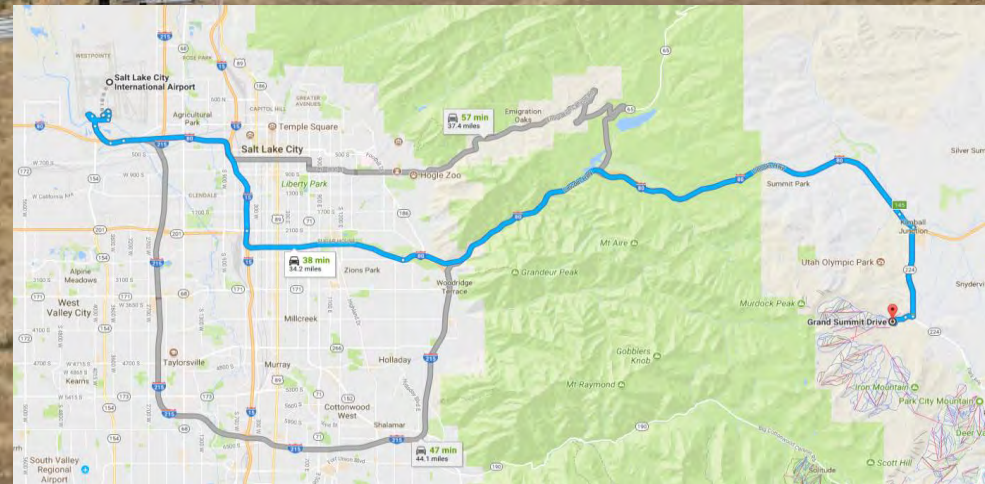


ASME
Conf. Coordinator
Stacey Cooper

Photo of Park City Mountain Resort from last week!



~35 minutes from Salt Lake City, Utah



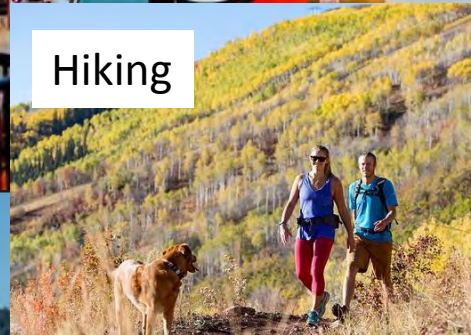
Downtown Park City



Park City: a world-class mountain resort town



Hiking



Public transportation is free in Park City



Balloon rides



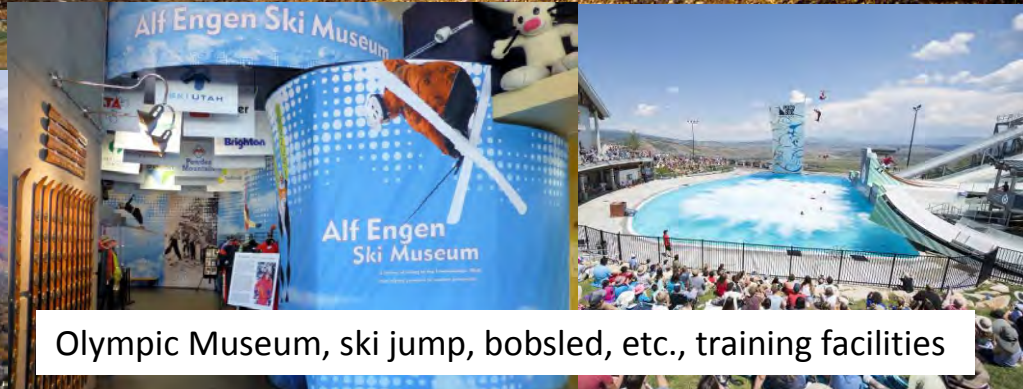
Mountain biking



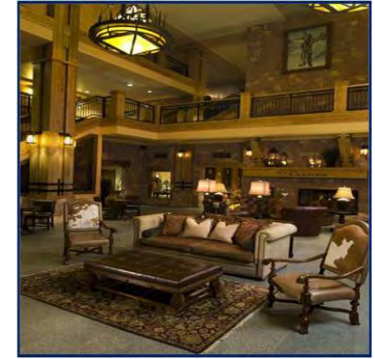
University of Utah campus tour



Olympic Museum, ski jump, bobsled, etc., training facilities



Venue: Grand Summit Hotel, Park City, Utah



Canyons Resort in Fall from Grand Summit Common Area

Venue: Lodging rates

Park City - Mechanical Dept. Engineering						
Run of Village	Mon 10/7/2019	Tue 10/8/2019	Wed 10/9/2019	Thu 10/10/2019	Fri 10/11/2019	Sat 10/12/2019
Hotel Guestrooms	5	135	165	160	45	c/o

Total Room Block = 510 room nights

GUEST LODGING RATES

The following (**Commissionable**) room rates will be in effect during the Event. All rates quoted are based on single or double occupancy:

GRAND SUMMIT HOTEL

Standard Hotel Guestroom	\$139.00
*One Bedroom Residence/Suite	\$189.00

SUNDIAL LODGE

Standard Hotel Guestroom	\$129.00
*One Bedroom Residence/Suite	\$179.00

SILVERADO LODGE

Standard Hotel Guestroom	\$109.00
*One Bedroom Residence/Suite	\$169.00

Venue: Additional hotels nearby

Within a short walking distance of the Grand Summit are additional hotels including:

Westgate at Canyons



Hyatt Centric



Sundial and Silverado



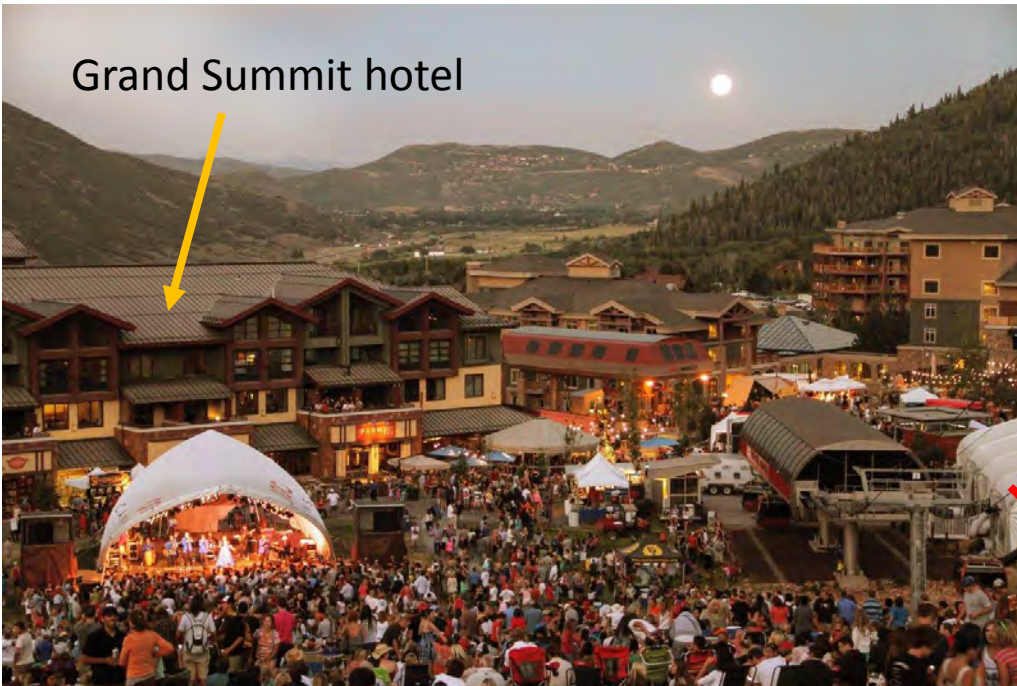
Venue: Outdoor banquet dinner

Grand Summit hotel



Canyons village pavilion
for outdoor banquet

Venue: Outdoor banquet dinner



Outdoor banquet dinner

- ~200 yards from hotel
- Banquet seating inside of tent
- Audio/video set up inside of tent
- Attendees can also walk around/socialize



Sponsorship

Gold Level

- University of Utah has agreed to be Gold-level sponsor for DSCC 2019



Plan to reach out to sponsors of DSCC 2018 as well as list of 50 other potential companies, including local Salt Lake City companies including L3 Communications, ATK, Northrop Grumman, Sarcos, etc...

Completed Activities

- DSCC 2019 Flyers distributed at ACC 2018 in June
- DSCC 2019 CFP submitted to DSCD Newsletter in August
- Op-Com Kick-off telecon meeting (August 9)
 - Agenda:
 - Introductions
 - Discussion of upcoming tasks/master schedule
 - Discussion of overall conference format
 - Start generating ideas for special events, etc.
- Op-Com transition meeting at DSCC 2018
 - Tuesday, October 2, 12-1 pm

Upcoming Op-Com Activities

- Launching DSCC 2019 website (immediately after DSCC 2018)
- Meeting monthly with Op-Com for planning and organizing
- Soliciting ideas for workshops, invited sessions, plenary speakers
- Making regular updates to DSCD Ex-Comm

2019 DSCC

The ASME 2019 Dynamic Systems and Control Conference

(<https://www.asme.org/events/dsc>)

October 9-11, 2019, Grand Summit Park City, Utah (USA)



Conference Organizers

General Chair

Kam K. Leang, kam.k.leang@utah.edu
University of Utah

Program Chair

Garrett Clayton, garrett.clayton@villanova.edu
Villanova University

Local Arrangements Chair

Steve Mascaro, smascaro@mech.utah.edu
University of Utah

Invited and Special Session Chair

Carrie M. Hall, chall9@iit.edu
Illinois Institute of Technology

Workshops and Tutorials Chair

Reza Moheimani,
Reza.Moheimani@utdallas.edu
UT Dallas

Students and Young Members Chair

Matteo Aureli, maureli@unr.edu
Univ. of Nevada, Reno
Nicole Abaid, nabaid@vt.edu
Virginia Tech

Publications Chair

Mohammad Al Janaideh,
majanaideh@mun.ca
Memorial Univ. of Newfoundland

Publicity Chair

Zheng Chen, zchen43@central.uh.edu
University of Houston

Conference Editorial Board Chair

Fen Wu, fwu@ncsu.edu
North Carolina State University

ASME Program Manager and Exhibits/

Industrial Liaison Chair
Edmond Valpoort, ValpoortE@asme.org
ASME

Conference Toolbox Coordinator
Stacey Cooper, toolboxhelp@asme.org ASME

The 2019 Dynamic Systems and Control (DSC) Conference will be held on October 9-11, 2019 at the Grand Summit Hotel in Park City, Utah. Park City is a world-class resort town, famous for hosting the Sundance Film Festival and the 2002 Winter Olympics. October is a nice time to visit Park City because it is considered a shoulder season, with temperatures similar to those in the spring and the venue offers very competitive room rates. On behalf of the 2019 DSCC Organization Committee and the Dynamics Systems and Control Division (DSCD) of ASME, we cordially invite you to enjoy an exciting technical program and a unique opportunity to network.

The DSC conference is the showcase technical forum of the ASME Dynamic Systems and Control Division. It provides a focused and intimate setting for dissemination and discussion of the state of the art in dynamic systems and control research, with a mechanical engineering focus. The 2019 DSC Conference Technical Program will consist of sessions in all of the usual areas of interest to the Division that include, but are not limited to, automotive and transportation systems, bio-systems and health care, energy systems, mechatronics, modeling, identification, intelligent systems, robotics, vibrations, and smart structures. Highlights of the 2019 DSCC will include:

- Four plenary talks given by distinguished scholars, including the Oldenburger Lecture and the Nyquist Lecture.
- Workshops and tutorials that are focused on emerging topics.
- Invited and special sessions on technical tracks and funding programs that are of interest to the DSC community.
- Student programs including Best Student Paper competition, networking with faculty recruiters, and networking with industry.
- Exhibits by industry and academia.
- Extensive networking opportunities during the opening reception, continental breakfasts, the banquet, and the farewell lunch.

All accepted papers must be presented on-site at the conference by an author of the paper. Papers which are not presented (no-shows) will be removed from the official conference proceedings and will not be indexed through the ASME Digital Collection.

Online access to conference papers will be given to all registered attendees at the start of the conference. Following the event, the official proceedings of the conference are published in the ASME Digital Collection, and will be submitted to all major indexers including EI Complex, Scopus, and the ISI Conference Proceedings Citation Index.

Important Dates (Tentative)

- Submission of contributed and invited papers - **April 1, 2019**
- Notification of acceptance/rejection - **May 27, 2019**
- Submission of final papers - **July 1, 2019**



ASME® 2018 DSCC

Dynamic Systems and Control Conference

See you in 2019!

ASME Dynamic Systems and Control Conference
October 9-11, 2019, Grand Summit Hotel
Park City, Utah

The American Society of Mechanical Engineers®
ASME®



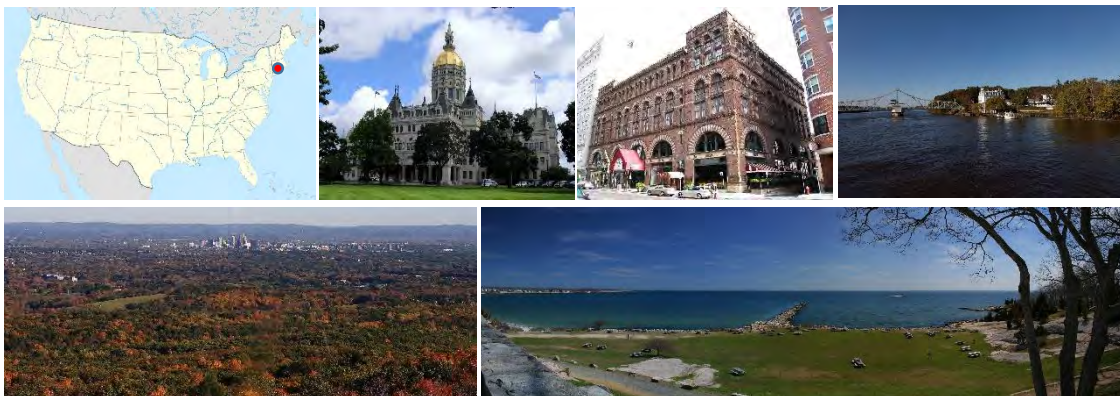
Report: 2020 ASME Dynamic Systems and Control Conference, Hartford, Connecticut, October 2020



1. Overview

The 2020 ASME Dynamic Systems and Control Conference (DSCC) will be held in Hartford, Connecticut, in October 2020.

- The State of Connecticut has been one of the major manufacturing centers of the United States since 1850s, featuring today major companies including United Technologies Corporation (UTC), Lockheed Martin subsidiary Sikorsky Aircraft, the Electric Boat division of General Dynamics that makes submarines, and Stanley Black & Decker, etc.
- Hartford features excellent accessibility. It is 1.5-hour drive from Boston, 2-hour from New York City, and 3.5-hour from Philadelphia. The Bradley International Airport (BDL) that serves the Hartford-Springfield area is 16-minute drive from the Connecticut Convention Center in downtown Hartford.
- October is great time to visit Connecticut. There are countless scenic views within 1-hour drive from Hartford, from colonial heritage sites, city skyline, Connecticut river, to villages, mountains, and beaches of Atlantic Ocean.



2. Organization Committee

General Chair

Jiong Tang (jiong.tang@uconn.edu)

Professor, Department of Mechanical Engineering
University of Connecticut



Technical Program Chair

Qingze Zou (qzzou@rci.rutgers.edu)

Professor, Department of Mechanical & Aerospace
Engineering
Rutgers University



Publications Chair

Junmin Wang (jwang@austin.utexas.edu)

Professor, Department of Mechanical Engineering
University of Texas at Austin



Industrial Outreach and Local Coordination Chair

Xu Chen (xchen@uconn.edu)

Assistant Professor, Department of Mechanical Engineering
Rutgers University



3. Dates and Possible Venue

Dates

Four-day in total. Specific dates are to be determined

Venue

The specific venue will be decided later with ASME involvement. Preliminarily, we propose to hold the conference at Connecticut Convention Center in downtown Hartford.

Attached to the Connecticut Convention Center is the 409-room Marriott Hartford Downtown. There are a number of hotels within 20-minute walk from the Connecticut Convention Center: Hilton Hartford, 393 rooms; Red Lion Hotel, 150 room; Residence Inn Hartford Downtown, 120 rooms; Homewood Suites by Hilton Hartford Downtown, 116 rooms; Red Roof Inn Plus Hartford Downtown, 96 rooms; The Goodwin, 124 rooms; Candlewood Suites Hartford Downtown, 81 rooms; Holiday Inn Hartford Downtown Area, 215 rooms; Hampton Inn & Suites Hartford, 121 rooms.

4. Local Industry Involvement

We plan to develop industrial involvement from UTRC, Pratt & Whitney, United Technologies Aerospace Systems, etc.

Preparations for ACC 2019

Compiled by Carrie Hall (DSCD Rep. for the 2018 American Control Conference)

The next DSCD Representative for ACC will be **Stephanie Stockar** and the alternate will be **Xinfan Li**.

The DSCD representative will coordinate with the ACC organizers in the spring (March/April) to arrange for rooms and refreshments for the following events:

- DSCD Executive Committee Meeting
- DSCD Division Meeting
- Automotive & Transportation TC Meeting
- Energy Systems TC Meeting
- Mechatronics TC Meeting
- Vibrations TC Meeting

The representative will also gather information from the ACC organizers on the acceptance rate of ASME papers, invited sessions and tutorials sessions.



2019 IEEE/ASME INTERNATIONAL CONFERENCE ON ADVANCED INTELLIGENT MECHATRONICS

Date: July 8 – 12, 2019
Venue: Hong Kong Science Park, Hong Kong

Prepared by:
Dong Sun, General Chair
Hesheng Wang, Program Chair

1

Conference Date

- July 8 – 12, 2019

JULY						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2

Hong Kong – Premier Convention & Exhibition Centre

- Strategic Location
 - The heart of enterprising Asia
 - Visa-free travel for visitors from over 170 countries and territories
 - Around 1,100 daily flights from over 220 worldwide destinations
 - Comprehensive international transport
- Developed and reliable infrastructure
- Friendly and safest city



Conference Venue

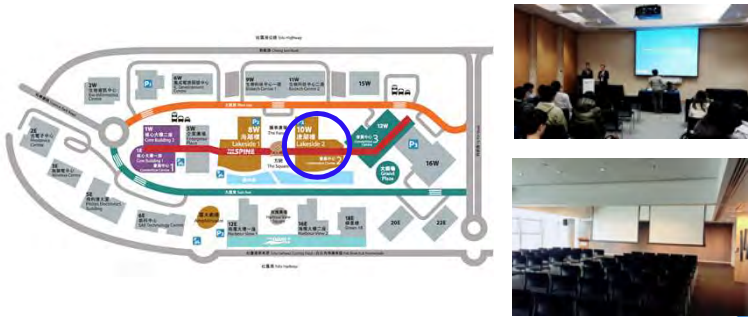
- Hong Kong Science Park, Sha Tin, Hong Kong**
- Opening Ceremony & Plenary Talks: Charles K. Kao Auditorium with seats up to 288



4

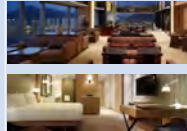

Conference Venue

❖ Workshops and Technical Sessions: 6 rooms with 30 – 60 seats/room at Convention Centre 2



5

Accommodation

Hotel	Distance to Science Park by Car	Hotel Class	No. of Rooms	\$ (USD)	
Hyatt Regency Hong Kong, Sha Tin	5 minutes	★★★★★	559	145 + 10% tax (including breakfast and internet access)	
Royal Park Hotel, Sha Tin	15 minutes	★★★★	443	130 + 10% tax (including breakfast and internet access)	

AIM 2019 Website

www.aim2019.org



7

Call for Papers of AIM 2019

Submission of Special & Invited Session Proposals	February 15, 2019
Submission of Tutorial & Workshop Proposals	February 28, 2019
Submission of Conventional & Invited Papers	March 15, 2019
Notification of Paper Status	April 25, 2019
Final Paper Submission	May 15, 2019
Advanced Registration	May 26, 2019

8

Daily Program

Date	Program
July 8 (Mon)	Workshops
July 9 (Tue)	Opening Ceremony Plenary Talks Technical Sessions Welcome Reception
July 10 (Wed)	Plenary Talks Technical Sessions Poster Session Banquet
July 11 (Thu)	Plenary Talks Technical Sessions Farewell Party
July 12 (Fri)	Technical Tours

9

TECHNICAL PROGRAMS

10

Program at a Glance

July 8 (Mon)	July 9 (Tue)	July 10 (Wed)	July 11 (Thu)	July 12 (Fri)
10:00-18:00 Workshops 1-10	8:30-9:00 Opening Ceremony			Technical Tour (Hong Kong Science Park, City University of Hong Kong, The Chinese University of Hong Kong)
Committee Meeting	9:00-9:45 Plenary 1 9:45-10:30 Plenary 2	9:00-9:45 Plenary 3	9:00-9:45 Plenary 4 9:45-10:30 Plenary 5	
	9:45-11:00 Poster Session			
10:30-11:00 Coffee Break				
	11:00-12:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	11:00-12:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	11:00-12:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	
12:30-14:00 Lunch				
	14:00-15:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	14:00-15:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	14:00-15:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	
15:30-16:00 Coffee Break				
	16:00-17:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	16:00-17:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	16:00-17:30 Technical Sessions 1-6 (6 papers/session, 15mins/paper)	
	18:00-20:00 Welcome Reception	18:00-20:30 Banquet	17:30-19:30 Farewell Party	

List of Events

Event	Number
Opening Ceremony	1
Plenary Talks (45 mins)	5
Poster Session	1 (80-100 papers)
Technical Sessions (15 mins/paper)	6 sessions (max. 324 papers)
Workshops and Tutorials	1 – 10 (max. 5 full day / 10 half day)
Welcome Reception	1
Banquet	1
Farewell Party	1

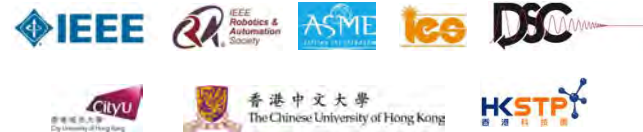
12

ORGANIZING TEAM

13

Organizations

Co-Sponsors



Honorary Advisory Committee

- ❖ Fumio Harashima, Tokyo Metropolitan University, Japan
- ❖ Tzyh-Jong Tarn, Washington University, USA
- ❖ Masayoshi Tomizuka, UC Berkeley, USA
- ❖ Toshio Fukuda, Nagoya/Meijo University, Japan; BIT, China
- ❖ Ren C. Luo, National Taiwan University, Taiwan
- ❖ Kok-Meng Lee, Georgia Inst. of Technology, USA
- ❖ Okyay Kaynak, Bogazici University, Turkey

14

Advisory Committee

- ❖ Hideki Hashimoto, Chuo University, Japan
- ❖ Kok-Meng Lee, Georgia Inst. of Technology, USA
- ❖ Bruno Siciliano, University of Naples, Italy
- ❖ Shigeki Sugano, Waseda University, Japan
- ❖ Ning Xi, The University of Hong Kong, China
- ❖ Roland Siegwart, ETH, Switzerland
- ❖ Max Meng, The Chinese University of Hong Kong, China
- ❖ I-Ming Chen, Nanyang Tech University, Singapore
- ❖ Bin Yao, Purdue University, USA
- ❖ Peter Korondi, BME, Hungary
- ❖ Ren C. Luo, National Taiwan University, Taiwan
- ❖ Gursel Alici, University of Wollongong, Australia
- ❖ Nicolas Chaillet, University Franche-Comte, France
- ❖ Jang-Myung Lee, Pusan National University, Korea
- ❖ Jordan Berg, Texas Tech University, USA
- ❖ Martin Buss, TU Munich, Germany
- ❖ Shane Xie, University of Leeds, UK

15

Organizing Committee

General Chair



Dong Sun
City University of Hong Kong,
China

General Co-Chairs



Gursel Alici
University of Wollongong,
Australia



Wei-Hsin Liao
The Chinese University of
Hong Kong, China



Jingang Yi
Rutgers, The State University of New Jersey,
USA

16

Program Chair

Hesheng Wang
Shanghai Jiao Tong University,
China

Program Co-Chairs

Hiroshi Fujimoto
University of Tokyo,
Japan



Kenn Oldham
University of Michigan,
USA



Cristina Tarin
University of Stuttgart,
Germany

17

Award Co-Chairs

I-Ming Chen
Nanyang Technological
University, Singapore



Metin Sitti
MPI, Stuttgart,
Germany

RAS Liaison Officer

Shigeki Sugano
Waseda University,
Japan

IES Liaison Officer

Hideki Hashimoto
Chuo University,
Japan

DSCD Liaison Officer

Kok Meng Lee
Georgia Institute of Technology,
USA

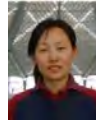
18

Finance Chair

King Lai
City University of Hong Kong,
China

Workshop Co-Chairs

Jun Ueda
Georgia Institute of
Technology, USA



Lin Wang
Shanghai Jiao Tong
University, China

19

Invited Session Co-Chairs

Kyu-Jin Cho
Seoul National University,
Korea



Kam K. Leang
University of Utah,
USA



Pei-Chun Lin
National Taiwan University,
Taiwan



Tao Liu
Zhejiang University,
China



Kiyoshi Ohishi
Nagaoka University of Technology,
Japan

20

Publicity Co-Chairs

Garrett M. Clayton
Villanova University,
USA



Yang Gao
University of Surrey,
UK



Dikai Liu
University of Technology Sydney,
Australia



Mihoko Niitsuma
Chuo University,
Japan



Zhenhua Xiong
Shanghai Jiao Tong University,
China

21

Publication Co-Chairs:

Zhidong Wang
Chiba University of
Technology, Japan



Pakpong Chirarattananon
City University of Hong Kong,
China

Industry Committee Chair:

Haoyao Chen
Harbin Institute of Technology,
China

Registration Chair:

Henry K. Chu
The Hong Kong Polytechnic University,
China

22

Local Arrangement Chair:

Yajing Shen
City University of Hong Kong,
China

Information Technology:

Jia Pan
City University of Hong Kong,
China

Conference Secretary:

Miranda Chi
City University of Hong Kong,
China

23

BUDGET

24

Budget (Revenue)

Revenue	No.	\$ (USD)	Subtotal \$ (USD)
I. Conference Registration Fees			
Advance - IEEE/ASME Member	120	760	91,200
Advance - Non IEEE/ASME Member	90	860	77,400
Advance - IEEE/ASME Student Member	40	400	16,000
Advance - Non IEEE/ASME Student Member	25	450	11,250
On-site - IEEE/ASME Member	10	900	9,000
On-site - Non IEEE/ASME Member	5	1,000	5,000
On-site - IEEE/ASME Student Member	5	500	2,500
On-site - Non IEEE/ASME Student Member	5	550	2,750
	300		215,100

25

Budget (Revenue)

Revenue	No.	\$ (USD)	Subtotal \$ (USD)
II. Workshop Fees			
Advance - IEEE/ASME Member	15	60	900
Advance - Non IEEE/ASME Member	10	60	600
Advance - IEEE/ASME Student Member	15	60	900
Advance - Non IEEE/ASME Student Member	10	60	600
On-site - IEEE/ASME Member	10	60	600
On-site - Non IEEE/ASME Member	5	60	300
On-site - IEEE/ASME Student Member	10	60	600
On-site - Non IEEE/ASME Student Member	5	60	300
	80		4,800

26

Budget (Revenue)

Revenue	No.	\$ (USD)	Subtotal \$ (USD)
III. Page Charges	25	180	4,500
IV. Grants and Donation	1	15,000	15,000
V. Advance Loans (IEEE-IES: 33.33%, IEEE-RAS: 33.34%, ASME:33.33%)	1	20,000	20,000
Total			259,400

27

Budget (Expense)

Expenses	No.	Amount Per \$ (USD)	\$ (USD)	Subtotal \$ (USD)
I. Internal Management/Services				2,000
II. PR Agency Management Fee				15,000
III. Registration Expense				
Registration Expense	300	10	3,000	
Badges/Tickets/Evaluations			500	
				3,500
IV. Promotion				
Announcement and Advertisement			1,500	
Call for Papers			1,000	
Final Program			1,000	
Others (website development & maintenance and overseas trip of 1 staff to AIM 2018)			10,000	
				13,500

28

Budget (Expense)

Expenses	No.	Amount Per \$ (USD)	\$ (USD)	Subtotal \$ (USD)
V. Workshop Expenses				
Speaker – Full Day	3	100	300	
Speaker – Half Day	4	70	280	
Audio Visual and Equipment	1	1,500	1,500	
Space Rental	1	1,500	1,500	
Workshop Signage			100	
Student Volunteers	10	30	300	
Others (Email & Internet)			500	
				4,480
VI. Publication				
Technical Digest – Paper	300	5	1,500	
Proceedings – USB	300	5	1,500	
Shipping			400	
				3,400

29

Budget (Expense)

Expenses	No.	Days	\$ (USD)	\$ (USD)	Subtotal \$ (USD)
VII. Conference Local Arrangements					
Convention Centre – Rental		3	4,300	12,900	
Audio-Visual and Equipment		3	3,000	9,000	
Signage				100	
Student Volunteers	20	3	30	1,800	
Transportation				1,000	
Others (Email & Internet)				1,500	
					26,300

30

Budget (Expense)

Expenses	Days	No.	Amount Per \$ (USD)	\$ (USD)	Subtotal \$ (USD)
VIII. Food and Beverage					
Welcome Reception		300	40	12,000	
Farewell Party		200	40	8,000	
Banquet		300	90	27,000	
VIP Dinner		70	130	9,100	
Coffee Break		200	10 (8 sessions)	16,000	
High Tables	4	10	15	600	
					72,700
IX. Program					
Plenary Speakers		5	1,000	5,000	
PaperPlaza				15,000	
Senior Program Committee Meeting				10,000	
					30,000

31

Budget (Expense)

Expenses	No.	\$ (USD)	\$ (USD)	Subtotal \$ (USD)
X. Conference Administration				
Credit Card Fees			7,000	
Bank Fees			1,500	
Insurance			1,000	
Printing/Duplication			200	
Office Supplies			1,000	
Admin Services			2,000	
Staff Travel			1,000	
				13,700
XI. Audit Fee				
				1,500

32

Budget (Expense)

Expenses	No.	\$ (USD)	\$ (USD)	Subtotal \$ (USD)
XII. Committee				
Travel			5,000	
Meetings, Conference Calls			1,500	
Committee Social Event			3,500	
				10,000
XII. Advance Loan Repayments (IEEE-IES: 33.33%, IEEE-RAS: 33.34%, ASME:33.33%)				
				20,000
Total				216,080

33

Budget Summary

SUMMARY	
Total Conference Revenue	US\$259,400
Total Conference Outlays	US\$216,080
Surplus	US\$43,320
Percentage of Surplus	20.05% of Expense

34



JULY 8 – 12, 2019

**WE LOOK FORWARD TO SEEING YOU
IN HONG KONG IN 2019!**

35



www.aim2019.org

IEEE/ASME International Conference on Advanced Intelligent Mechatronics July 8 - 12, 2019 | Hong Kong Science Park, Hong Kong, China

Honorary Advisory Committee

Fumio Harashima, Tokyo Metropolitan University, Japan
Tyzh-Jong Tarn, Washington University, USA
Masayoshi Tomizuka, UC Berkeley, USA
Toshio Fukuda, Nagoya/Meijo University, Japan; BIT, China
Ren C. Luo, National Taiwan University, Taiwan
Kok-Meng Lee, Georgia Institute of Technology, USA
Okyay Kaynak, Bogazici University, Turkey

Advisory Committee

Hideki Hashimoto, Chuo University, Japan
Kok-Meng Lee, Georgia Institute of Technology, USA
Bruno Siciliano, University of Naples, Italy
Shigeki Sugano, Waseda University, Japan
Ning Xi, The University of Hong Kong, China
Roland Siegwart, ETH Zürich, Switzerland
Max Meng, The Chinese University of Hong Kong, China
I-Ming Chen, Nanyang Tech University, Singapore
Bin Yao, Purdue University, USA
Peter Korondi, BME, Hungary
Ren C. Luo, National Taiwan University, Taiwan
Gursel Alici, University of Wollongong, Australia
Nicolas Chaillet, University Franche-Comte, France
Jang-Myung Lee, Pusan National University, Korea
Jordan Berg, Texas Tech University, USA
Martin Buss, TU Munich, Germany
Shane Xie, University of Leeds, UK

General Chair

Dong Sun, City University of Hong Kong, China

General Co-Chairs

Gursel Alici, University of Wollongong, Australia
Wei-Hsin Liao, The Chinese University of Hong Kong, China
Jingang Yi, Rutgers, The State University of New Jersey, USA

Program Chair

Hesheng Wang, Shanghai Jiao Tong University, China

Program Co-Chairs

Hiroshi Fujimoto, University of Tokyo, Japan
Kenn Oldham, University of Michigan, USA
Cristina Tarin, University of Stuttgart, Germany

Award Co-Chairs

I-Ming Chen, Nanyang Technological University, Singapore
Metin Sitti, MPI, Stuttgart, Germany

RAS Liaison Officer

Shigeki Sugano, Waseda University, Japan

IES Liaison Officer

Hideki Hashimoto, Chuo University, Japan

DSCD Liaison Officer

Kok-Meng Lee, Georgia Institute of Technology, USA

Finance Chair

King Lai, City University of Hong Kong, China

Workshop Co-Chairs

Jun Ueda, Georgia Institute of Technology, USA
Lin Wang, Shanghai Jiao Tong University, China

Invited Session Co-Chairs

Kyu-Jin Cho, Seoul National University, Korea
Kam K. Leang, University of Utah, USA
Pei-Chun Lin, National Taiwan University, Taiwan
Tao Liu, Zhejiang University, China

Publicity Co-Chairs

Garrett M. Clayton, Villanova University, USA
Yang Gao, University of Surrey, UK
Dikai Liu, University of Technology Sydney, Australia
Mihoko Niitsuma, Chuo University, Japan
Zhenhua Xiong, Shanghai Jiao Tong University, China

Publication Co-Chairs

Zhidong Wang, Chiba Institute of Technology, Japan
Pakpong Chirarattananon, City University of Hong Kong, China

Industry Committee Chair

Haoyao Chen, Harbin Institute of Technology Shenzhen, China

Registration Chair

Henry K. Chu, The Hong Kong Polytechnic University, China

Local Arrangement Chair

Yajing Shen, City University of Hong Kong, China

Information Technology

Jia Pan, City University of Hong Kong, China

Conference Secretary

Miranda Chi, City University of Hong Kong, China

Call for Papers

The 2019 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM 2019) will be held on July 8 - 12, 2019 in Hong Kong Science Park, Hong Kong, China. As a flagship conferences focusing on mechatronics and intelligent systems, the 2019 AIM will bring together an international community of experts to discuss the state-of-the-art, new research results, perspectives of future developments, and innovative applications relevant to mechatronics, robotics, automation, industrial electronics, and related areas.

The sponsors and organizers of AIM 2019 invite a submission of high quality mechatronics research papers describing original work, including but not limited to the following topics: Actuators, Automotive Systems, Bioengineering, Data Storage Systems, Electronic Packaging, Fault Diagnosis, Human-Machine Interfaces, Industry Applications, Information Technology, Intelligent Systems, Machine Vision, Manufacturing, Micro-Electro-Mechanical Systems, Micro/Nano Technology, Modeling and Design, System Identification and Adaptive Control, Motion Control, Vibration and Noise Control, Neural and Fuzzy Control, Opto-Electronic Systems, Optomechanics, Prototyping, Real-Time and Hardware-in-the-Loop Simulation, Robotics, Sensors, System Integration, Transportation Systems, Smart Materials and Structures, Energy Harvesting, and other frontier fields.

All contributed and invited papers, tutorial and workshop proposals, and invited and special session proposals must be uploaded through the submission website (www.aim2019.org) according to the deadlines below.

Contributed & Invited Papers: All papers go through a rigorous review process. Accepted papers will be presented by their authors at the conference. All accepted peer-reviewed manuscripts will be published in the conference proceedings, and will be submitted for inclusion in IEEEExplore, subject to formatting and copyright requirements.

Tutorials & Workshops: Proposals are invited for half-day or full-day tutorials and workshops. Workshops explore the frontiers of recent or emerging topics in mechatronics, while tutorials provide a foundation for future self-study in important area of mechatronics. Tutorial and workshop proposals must include: (1) a statement of objectives, (2) a description of the intended audience, and (3) a list of speakers with an outline of their planned presentations. Unless specifically requested, individual tutorial and workshop presentations are not peer reviewed, and do not appear in the proceedings.

Invited & Special Sessions: Proposals are invited for invited and special sessions. Invited sessions consist of 4 to 6 thematically related invited papers. Invited session proposals consist of a brief statement of purpose and extended abstracts of the included invited papers. Invited papers are submitted and reviewed following the same process as contributed papers, and are included in the proceedings.

Important Dates

Submission of Special & Invited Session Proposals

February 16, 2019

Submission of Contributed & Invited Papers

February 28, 2019

Submission of Tutorial & Workshop Proposals

February 28, 2019

Notification of Paper Acceptance

April 15, 2019

Final Paper Submission

May 15, 2019

Advanced Registration

May 28, 2019

***All deadlines are 23:59 PST.**



ASME DSCC Steering Committee (SC)

Chair: Peter Meckl

Members: Jiong Tang (2020 GC), Kam Leang (2019 GC), Xiaobo Tan (2018 GC), Azim Eskandaria (GC 2017), Qingze Zou (2020 PC), Garrett Clayton (2019 PC), George Zhu (2018 PC), Marcia K. O'Malley (2017 PC)

Ex Officio Member: Edmond Valpoort (AMSE Rep).

Background on SC

- The DSCC Steering Committee (SC) is the planning body for the Dynamic Systems and Control Conference.
- The SC is tasked with making recommendation on the following, for approval from the ASME DSCD Executive Committee (ExComm).
- The dates and places of the conferences for the subsequent years
- Candidates for General and Program Chairs
- General policies on program composition, financial goals, and promotional practices.
- Fees and budget for each conference for DSCD ExComm approval.

Membership

- The DSCC Steering Committee consists of the Past Chair of the ASME DSCD ExComm, the DSCC General Chairs (most-recent-past, current, and all future), and the DSCC Program Chairs (most-recent-past, current, and all future).
- The DSCD ExComm Past Chair serves as Chair of the DSCC Steering Committee. The terms run from Dec. 1 to Nov. 30.
- The ASME conference representative will be invited to attend the DSCC Steering Committee meetings as an ex-officio member.
- The DSCC Steering Committee shall meet at least once a year, and present its recommendations at the DSCD ExComm at the DSCC.

First Meeting 2018 DSCC

Agenda:

- Final Report from DSCC 2017 (if Azim or Marcia can attend)
- Report from DSCC 2018 GC
- Report from DSCC 2019 GC; status; budget.
- Report from DSCC 2020 GC; status; budget
- Review of Proposals for Future DSCC: 2021. Make recommendation to DSCD ExCom.
- Review list of potential GCs to invite for submitting proposals.

Main Issues

Reports from DSCC (already presented)

Approved: 2021 DSCC

Motion:

- The SC recommends that we accept the proposal for the 2021 DSCC.
- GC is Junmin Wang
(jwang@austin.utexas.edu)
- PC is Hosam Fathy (hkf2@psu.edu).
- The location to be at Austin, Texas
- DSCD ExComm approved the 2021 DSCC

2021 DSCC: GC Junmin Wang

- Professor, ME Dept, U. of Texas at Austin
- **Past Involvement with DSCC**
- DSCC 2020: Publication Chair
- DSCC 2015: Panel Moderator for Student Workshop on Future Career Path Selection and Development
- DSCC 2014: Track Organizer for Automotive and Transportation Systems Track
- DSCC 2008, 2009, 2010, 2011, 2013, 2016, 2018: Session Chair/co-Chair, Organizer/co-Organizer
- **Involvement with other conferences**
- ACC 2017: Vice Chair for Industry & Applications
- Program Committee Member for 10+ IEEE and IFAC conferences
- Session Chair/co-Chair for 20+ IEEE and IFAC conferences



2021 DSCC: PC Hosam Fathy

- Professor, Dept. of Mech. and Nuclear Engineering
- Pennsylvania State University
- **Past Involvement with DSCC**
- DSCC 2018: Co-Organizer, DSCC Connected Vehicles Workshop
- DSCC 2017: Students and Young Members Chair
- DSCC 2012: Publicity Chair
- DSCC 2011: Students and Young Members Chair
- DSCC 2009: Program Committee Member
- **Involvement with other conferences**
- ACC 2017: Special Sessions Chair
- ACC 2016, 2012: Program Committee Member
- ACC 2009: Vice Chair for Student Affairs
- 2009 Modelica Conference: Program Committee Member



2021 DSCC: Texas Austin



- **Oct 2021**
- Austin is the capital of Texas and was founded in 1839.
- All major airlines have flights to the Austin airport.
- The University of Texas at Austin (UT-Austin),
- The UT-Austin Pickle Research Campus is only a 20-minute drive from downtown in Austin.
- Companies include: Dell, NXP Semiconductors, IBM, St. David's Healthcare, National Instruments, 3M, Apple, Amazon, AMD, Applied Materials, Dropbox, eBay, PayPal, Freescale Semiconductor, Intel, Nvidia, Oracle, Samsung Group, United Devices, Xerox,

Call for Proposals

- If interested in organizing a DSCC
- Please submit your DSCC proposal at your earliest convenience (but no later than **Sept. 1, 2019**) to dscd-exec@umich.edu with a subject heading “**DSCC Proposal**”.
- The proposals will be reviewed at the 2019 DSCC SC meeting, and discussed at the 2019 DSCC ExCom meeting.

What is in the proposal?

- Proposals should be brief (3-4 pages)
- A brief writeup on the conference venue (hotels don't have to be selected yet)
- A short bio for you (as GC), and the potential Program Chair (see below for details).

Venue

- Conference venue (identify potential city or cities).
- Do not select the hotel (ASME helps with this)
- Information that hotels (able to accommodate a 300-400 attendee meeting) are available in the host city would be helpful.
- Highlights about the city (such as ease of accessibility by being close to a major airline hub), potential activities such as site visits to labs in a major university or industries could be added.

GC & PC

- A one-page summary (each) of the background of the GC, and the PC.
- Ideally, the PC and GC should be from different geographic locations, so that the PC could be considered for a DSCC GC role in the near future.
- This information should include past activities in ASME DSCD, as well experience with conference activities (both ASME and non-ASME).

Call for Proposals

- Should you have any question, please feel free to contact the SC Chair (Peter Meckl; meckl@purdue.edu) or devasia@uw.edu
- Looking for proposals for 2022 & 2023

DSCD Newsletter: Report at the 2018 DSCC Conference

Xu Chen and Jianguo Zhao

October 1, 2018

Summary

The DSCD Newsletter is electronically distributed to the DSCD mailing list every August and December. We publicize call for papers/proposals, conference information, educational activities, introduction of experimental platforms, job postings, as well as special issues in collaboration with guest editors.

Two issues since last DSCC meeting:

- ▶ 2017 winter issue: features ACC 2017 and TC organization
- ▶ 2018 summer issue: features division meeting at ACC 2018, member awards, and ISFA 2018

2017 winter issue

The 2017 winter issue contained a summary of the 2017 ACC conference, an overview of the division's Biosystems and Healthcare TC, and Calls for Contributions to conferences and book chapters.

The 2017 American Control Conference – A Summary

Ang Sun, General Chair

Rajesh Rajamani, Program Chair



TECHNICAL PROGRAM

The 2017 ACC received 1469 submissions with 204 invited papers and 1265 contributed papers. After thorough review, 944 papers were accepted, representing a ~64% acceptance rate. Those papers were organized in 19 parallel sessions for oral presentation. Other than regular and invited sessions, tutorial sessions and special sessions were also organized along with workshops and exhibits. Workshops were held on the Monday and Tuesday (May 22 and 23) preceding the main conference.



A Look Inside the Dynamic Systems & Control Division (DSCD)

— The Biosystems and Healthcare Technical Committee and its Operation

Call for Contributions

The ASME 2018 Dynamic Systems and Control Conference

September 30 – October 3, 2018
Hyatt Regency Atlanta, Atlanta, Georgia, USA

Co-organized by Xibiao Tan, General Chair, DSCD 2018, on behalf of the Conference Organization Committee.

2018 IEEE/ASME International Conference on Advanced Intelligent Mechatronics

July 9-12, 2018, Auckland, New Zealand

Contributed by Shirie Xie and Kean Aoi, General Chair and Co-Chair of AIM 2018, on behalf of the Conference Organization Committee.

News Briefing

Prof. Rajesh Rajamani and student Kalish-Singal at University of Minnesota

CALL FOR CHAPTER PROPOSALS
Stability, Control and Application of Time-delay Systems

Contributed by Qinglin Gan, California State University Long Beach

2018 summer issue

Division meeting report

The 193rd Division Meeting



Figure 1 Group photo at the end of the 193rd Division Meeting.



Figure 2 Division Executive Committee Meeting at ACC 2018.



Figure 3 Peter Meckl passing the Division Meeting gavel to Anna Stefanopoulou.

2018 summer issue

Member awards

Masayoshi Tomizuka Receives AACC's Richard E. Bellman Control Heritage Award

Contributed by Roberto Horowitz
University of California, Berkeley

Bellman Award Acceptance Speech

Masayoshi Tomizuka
University of California, Berkeley

Alleyne Wins Prestigious AACC Award for Advancement of Control Practice

Contributed by Julia Stackler
University of Illinois at Urbana-Champaign



2018 summer issue

Report from division-sponsored conference

The International Symposium on Flexible Automation 2018 (ISFA 2018) – A Summary



Figure 7 Plenary speech: "Future of Machine Tools" presented by Dr. Masahiko Mori, DMGMORI Co., Ltd.



Figure 10 Welcome Reception at the 21st Century Museum of Contemporary Art.



Figure 9 The banquet dinner at Kanazawa Tokyu Hotel.

2018 summer issue

Future conferences

Upcoming Division-Sponsored Conferences

2018 ASME Dynamic Systems and Control Conference

September 30 – October 3, 2018, Atlanta, Georgia

Contributed by Xiaobo Tan, General Chair of DSCC 2018, on behalf of the Conference Organizing Committee.

2019 IEEE/ASME International Conference on Advanced Intelligent Mechatronics

July 8-12, 2019, Hong Kong Science Park, Hong Kong, China

Contributed by Dong Sun, General Chair of AIM



Figure 10. 2019 conference site (AIM) at Hong Kong Science Park, Hong Kong, China.

2019 DSCC

The ASME 2019 Dynamic Systems and Control Conference

<https://www.asme.org/events/dsc2019>

October 9-11, 2019, Grand Summit Park City, Utah (USA)



2019 American Control Conference: Call for Papers

July 10-12, 2019, Philadelphia Marriott Downtown, Philadelphia, PA (USA) (<http://acc2019.a2c2.org/>)

2018 summer issue

Call for contributions and open positions

Calls for Contributions: Journals, Books, and Book Chapters

The **ASME Journal of Medical Diagnostics and Therapy**, edited by Dr. Ahmed Al-Jumaily, invites contributions in System Dynamics and Control in Biomedical Applications.

The **SAE International Journal of Connected and Automated Vehicles**, edited by Dr. Venkat Krovi, is now accepting manuscripts focused on connected tech-

Open Positions

The Department of Mechanical Engineering at the University of Maryland has new open rank faculty positions in the areas including robotics, dynamic systems and controls. Senior hires are expected to have demonstrated leadership and should plan to have impact in new areas. The Department is interested in applications from individuals working on a broad range of problems in all areas of

nologies, cyber-enabled system capabilities, human-in-the-loop elements, and subsystem and system engineering frameworks.

The **ASME Robotics Engineering Book Series**, edited by Dr. Vladimir Vantsevich, released a new book by Prof. Vladimir T. Portman titled "Mechanics of Accuracy in Engineering Design of Machines and Robots". Link to Volume I: <https://www.asme.org/Products/Books/Mechanics-Accuracy-Design-Machines-Robots>; Volume II is expected in early 2019. The Book Series invite qualified authors and book editors to submit proposals of books and book chapters.

2018 winter issue

The 2018 winter issue is planned to be distributed to the community in December 2018.

Please consider making your valuable contributions to future issues.

Staff until December 2018:

- ▶ Editor: Xu Chen, University of Connecticut, Tel: (860) 486-3688 E-mail: xchen@uconn.edu
- ▶ Associate Editor: Jianguo Zhao, Colorado State University, Tel: (970) 491-5927 E-mail: jianguo.zhao@colostate.edu

Staff starting January 2019:

- ▶ Editor: Jianguo Zhao, Colorado State University, Tel: (970) 491-5927 E-mail: jianguo.zhao@colostate.edu
- ▶ Associate Editor: TBD

DSCD Website Report 194th Division Meeting, Dynamic Systems and Control Division, ASME International
2018 Dynamic Systems and Control Conference, Atlanta, Georgia, Hyatt Regency Atlanta

Members of the DSCD:

My apologies for not being able to attend this year's Division conference. This document attempts to provide a brief update on the Division's website status.

Division Website Shutdown

At some point between March 30th and May 14th of this year, the Division website of many years, located at asme-dscd.org, became inaccessible. In a recent email communication with Chrissy Johns of ASME's Group Pathways & Support, I was informed that the site was taken offline by ASME due to "non-use," and that the DSCD Executive Committee was informed of this decision on May 1st. Since ASME owns the domain name and (until recently) paid for an external firm (Media Temple) to host the site, it would appear the Division's long-term website has been permanently closed.

The most recent online copy of the Division's website remains in the Internet Archive, at <https://web.archive.org/web/20180330204337/http://asme-dscd.org/>.

Past Conference Data

Concern has been expressed about archiving data from past DSCC events. ASME has committed to archiving future events. However, much of the website data for past conferences would seem to be permanently lost. Available data can be found as follows:

- 2018: <http://www.asme.org/events/dsc>
- 2017: <http://www.asme.org/events/dsc2017>
- 2015: <http://www.asmeconferences.org/DSCC2015/>
- 2014: <http://www.asmeconferences.org/DSCC2014/>
- 2013: <http://www.asmeconferences.org/DSCC2013/> (dead link)
- 2012: <http://www.asmeconferences.org/DSCC2012/> (external link)
- 2011: <http://www.asmeconferences.org/DSCC2011/> (bad link to DSCC 2015)

Reconstruction of a Division Website

With the external website permanently shuttered, it would seem that the Division will have to rebuild its web presence on the DSCD community page, provided by ASME at:

https://community.asme.org/dynamic_systems_control/default.aspx

Given that the most recent "news" item on this site is from 2014, there may be considerable work in transferring information from the old Division site to the DSCD community page.

I do not currently have administration authority over the community site, although I can likely obtain needed access. However, it has been approximately two years since I signed on as a co-webmaster for the Division, and nearly a year since I became the sole DSCD webmaster. As the Division website needs a fresh start, it strikes me that now is an opportune time for someone else to assume webmaster duties. If no volunteers for the position are presently found, I am willing to serve until a new Webmaster can be located. However, I do ask to be relieved of the Webmaster assignment no later than May 2019.

Jeff Shelton, DSCD Webmaster

ASME Dynamic Systems and Control Magazine



VISION

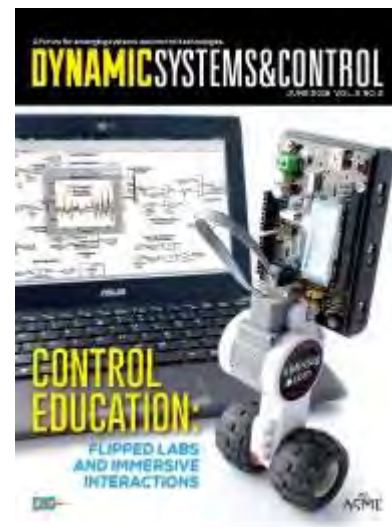
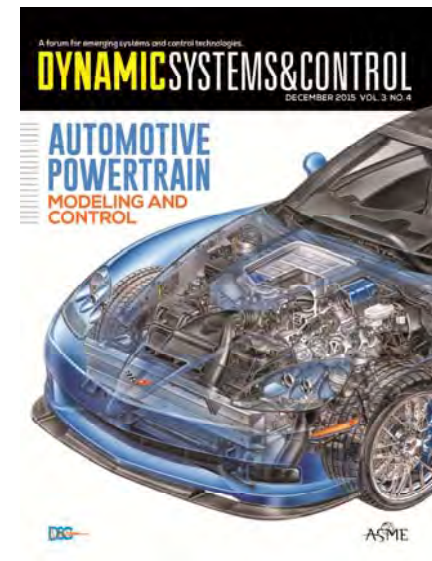
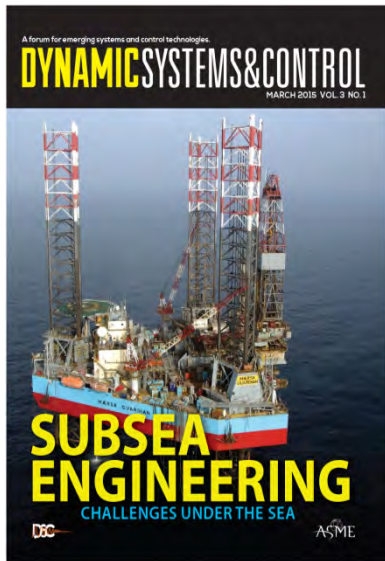
The *Dynamic Systems and Control Magazine* aims to be the **professional forum** for the members of the ASME Dynamic Systems and Control Division, with an emphasis on the **highest quality expository articles** on important and emerging topics, society events, and people active in the division.

Background

- *Dynamic Systems and Control Magazine* has been published quarterly (March, June, September and December) since beginning of 2013 as a 24-page supplement to ASME *Mechanical Engineering Magazine*.

	Cost	Circulation	Editor
2013-2014	\$12,000 per issue	All ASME members	Galip Ulsoy
2015-2016	\$28,200 per issue	All ASME members	Peter Meckl
2017-2018	\$15,000 per issue	DSCD primary and secondary members	Peter Meckl

Recent Issues – 2015-16



Recent Issues – 2017-18



Forthcoming Issues

- Dec. 2018 issue (v6n4) will be guest edited by Rifat Sipahi and will focus on **Information Theory**.
- Themes for **Future issues** include **Electric Vehicles and the Grid**, and **Multi-Agent Systems**.

Some Issues

- Inclusion of DSC Magazine in major indexes (e.g., Engineering Index, Google Scholar, Web of Science) is important. So far, this seems to be taking place, but not always consistently. We will continue to monitor this.
- The DSC magazine is now included in the [ASME Digital Collection](#).

Financials

- Current cost is \$15,000 per issue, for a total of \$60,000 per year. This represents a significant share of the total annual DSCD budget and is unsustainable.
- I have been in touch with John Falcioni, the Editor-in-Chief of Mechanical Engineering, and we are looking into several options:
 - change to digital-only publication
 - look for sponsors or advertisers
 - charge a membership premium to each DSCD member

Next Steps

- Continue to **work with ASME** to develop a mechanism to enable the magazine to be sustainably supported.

Comments and Suggestions?

- Would you be willing to pay an extra \$20 to have the DSC magazine sent to you?
- Would you prefer a stand-alone publication, rather than an insert into the ME magazine?

Further Comments?

- Those interested in the DSC Magazine can contact:
 - Peter Meckl, Editor, meckl@purdue.edu



Search ASME Digital Collection

SEARCH

ADVANCED SEARCH

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



Mechanical Engineering Magazine Select Articles

- Journal of Manufacturing Science and Engineering
- Applied Mechanics Reviews
- ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering
- Journal of Mechanical Design
- Journal of Mechanisms and Robotics
- Journal of Medical Devices

ASME Digital Collection
founded in 1880 as the American Society of Mechanical Engineers, ASME is the premier international membership organization for more than



Search Mechanical Engineering Magazine Select Articles

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Mechanical Engineering Magazine Select Articles Home Newest Issue All Issues

All Issues

January 1998 - Present

- Issues in Progress:
- December 2005, Volume 127, Issue 12
 - November 2005, Volume 127, Issue 11
 - October 2005, Volume 127, Issue 10
 - September 2005, Volume 127, Issue 09
 - August 2005, Volume 127, Issue 08
 - July 2005, Volume 127, Issue 07
 - June 2005, Volume 127, Issue 06
 - May 2005, Volume 127, Issue 05
 - April 2005, Volume 127, Issue 04

Recent Issues:

2010s	2010	2011	2012	2013	2014	2015	2016	2017
2000s	< Previous Year							
	December 2017, Volume 139, Issue 12							
	November 2017, Volume 139, Issue 11							
	October 2017, Volume 139, Issue 10							
	September 2017, Volume 139, Issue 09							
	August 2017, Volume 139, Issue 08							
	July 2017, Volume 139, Issue 07							



Search Mechanical Engineering Magazine Select Articles

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Mechanical Engineering Magazine Select Articles Home Newest Issue All Issues

Newest Issue

< PREVIOUS ISSUE

Mechanical Engineering Magazine Select Articles

December, 2017 | Volume 139 | Issue 12

Email Alerts | RSS

BASIC VIEW | EXPANDED VIEW

Select Articles

- Connected Cooperative Control of Autonomous Vehicles During Unexpected Road Situations** PUBLIC ACCESS
 Hans Andersen, Xiaotong Shen, You Hong Eng, Daniela Rus and Marcelo H. Ang, Jr.
Mechanical Engineering. 2017;139(12):S3-S7. doi:10.1115/1.2017-Dec-7.
- Seeing Beyond the Line of Site – Controlling Connected Automated Vehicles** PUBLIC ACCESS
 Gábor Orosz, Jin I. Ge, Chaozhe R. He, Sergei S. Awediso, Wubing B. Qin and Linjun Zhang
Mechanical Engineering. 2017;139(12):S8-S12. doi:10.1115/1.2017-Dec-8.
- A Driver's License Test for Driverless Vehicles** PUBLIC ACCESS
 Houssam Abbas, Matthew E. O'Kelly, Alena Rodionova and Rahul Mangharam
Mechanical Engineering. 2017;139(12):S13-S16. doi:10.1115/1.2017-Dec-9.
- A Control Oriented Perspective for Security in Connected and Automated Vehicles** PUBLIC ACCESS