

# Treasurer's Report 2019

## Introduction

This report details membership and subscription data for the calendar year end 2019. The 2019 fiscal year-end audit report will be posted online separately in the Fall of 2020, after the auditors have completed the annual process.

In 2019, the total number of IMS members increased. Subscriptions by institutions decreased this past year by 3% overall, and by 4% for IMS core journals. The financial status of the Institute continues to be stable and strong, and actions are in place to ensure its long-term stability.

Details of the events of the past year, and membership, subscription and sales data, are given below.

## Publications

The following is a list of all current IMS core, co-sponsored, supported and affiliated journals:

### IMS Core Print/Electronic Publications

*Annals of Applied Probability*; *Annals of Probability*; *Annals of Applied Statistics*; *Annals of Statistics*; *Statistical Science*; *IMS Monographs*; *IMS Textbooks*; *IMS Bulletin*

### Co-sponsored Print/Electronic Publications

*Electronic Communications in Probability*; *Electronic Journal of Probability*; *Electronic Journal of Statistics*; *Journal of Computational and Graphical Statistics*; *NSF-CBMS Series in Probability and Statistics*; *Probability Surveys*; *Statistics Surveys*

### Supported Publications

*ALEA: the Latin American Journal of Probability and Mathematical Statistics*; *Annales de l'Institut Henri Poincaré (B)*; *Bayesian Analysis*; *Bernoulli journal*; *Bernoulli News*; *Brazilian Journal of Probability and Statistics*

### Affiliated Publications

*Observational Studies*; *Probability and Mathematical Statistics*; *Stochastic Systems*

## Membership Data

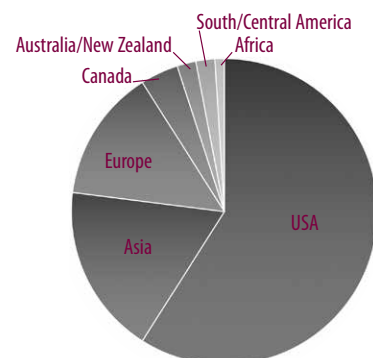
Table 1 presents the membership data back to 2015. Total individual paid membership in the Institute as of December 31, 2019 increased by 15% from December 31, 2018. This is largely due to an increase in members from mainland China. The total number of paid IMS members in 2019 was 2,788. The IMS had its peak in paid membership in 2008 with 3,156 members. The IMS Executive Committee continues to look for ways to address our membership numbers.

TABLE 1: Membership, by Calendar Year

	2015	2016	2017	2018	2019	% change
<b>Regular</b>	1,587	1,565	1,447	1,384	1,397	0.9%
<b>Life/Retired Life</b>	528	541	563	613	617	0.7%
<b>Reduced Country/Retired/IMS China</b>	376	337	370	331	704	100.6%
<b>New Graduate</b>	58	113	213	76	70	-7.9%
<b>Student</b>	1,236	1,094	1,022	828	722	-15.3%
<b>Total</b>	3,785	3,650	3,615	3,217	3,510	7.1%
<b>Total excluding free members (students)</b>	2,549	2,556	2,593	2,389	2,788	15.0%

## Geographic Distribution of Members.

The IMS membership is currently distributed as follows (see pie chart, right): 59% United States; 18% Asia; 14% Europe; 4% Canada; 2% Australia and New Zealand; 2% South America, Mexico and the Caribbean; 1% Africa.



## Subscription Data

### Selection of Journals by Members:

Print subscriptions by members continued to decrease in 2019, as expected, because members are opting to reduce their use of print while enjoying free electronic access to all journals. Members are charged actual cost for print copies of journals, so there is no net loss or gain to the bottom line from changes in print subscriptions by members. Table 2 (below) shows the current selection of print journals by members.

TABLE 2: Member subscriptions, by calendar year

PRINT (paid)	2015	2016	2017	2018	2019	% change
<i>Annals of Applied Probability</i>	80	68	61	54	46	-14.8%
<i>Annals of Probability</i>	97	75	68	57	50	-12.3%
<i>Annals of Applied Statistics</i>	141	107	91	87	83	-4.6%
<i>Annals of Statistics</i>	262	220	208	191	174	-8.9%
<i>Statistical Science</i>	464	386	382	387	325	-16.0%
<b>Total</b>	1,044	856	810	776	678	-12.6%

## Joint Memberships

The IMS offers joint membership opportunities with: the Association for Computing Machinery (ACM), Applied Probability Society/INFORMS (APS/INFORMS), Bernoulli Society (BS), Indian Society for Probability and Statistics (ISPS), International

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Chinese Statistical Association (ICSA), International Society for Bayesian Analysis (ISBA), International Statistical Institute + Bernoulli Society (ISI/BS), and New England Statistical Society (NESS).

**Institutional Subscription Data**

Table 3 (right) presents comparative subscription data for institutions, to each of our scientific journals for 2019 and previous years. Almost all journals experienced subscription decreases in 2019. Overall, institutional subscriptions decreased by 3.2%. The decrease to IMS journals, specifically, was 4.2%. We are continuing to see usage of our bundled offerings, which are discounted on the whole.

Approximately 60% of the institutional subscribers to IMS journals are in the USA and Canada, with the remaining subscribers distributed throughout the world.

**Book Sales Data**

Table 4 (right) presents sales data for IMS book series. In 2010, the IMS published its first volumes in a cooperative arrangement with Cambridge University Press to publish two series, *IMS Monographs* and *IMS Textbooks*. Sales of these volumes continue to go very well.

**Financial and Audit Report**

The fiscal year ended December 31, 2019. The external audit of the IMS will be completed shortly; the full auditor's report will then be posted online at <https://www.imstat.org/council-reports-and-minutes/>.

*This photo, taken in July 2019 at the Denver JSM, was the last time the Executive Committee met in person, and shows Zhengjun Zhang, IMS Treasurer (left), with the other members of the 2019–20 IMS Executive Committee, [l-r]: Program Secretary Ming Yuan, President Susan Murphy, Past-President Xiao-Li Meng, Executive Secretary Edsel Peña, and President-Elect Regina Liu (who appears in this photo thanks to the wonders of modern software!).*

TABLE 3: Institutional paid subscriptions, by calendar year

PRINT	2015	2016	2017	2018	2019	% change
<i>Annals of Applied Probability</i>	591	580	558	537	519	-3.4%
<i>Annals of Probability</i>	779	769	735	706	673	-4.7%
<i>Annals of Applied Statistics</i>	368	349	341	341	343	0.6%
<i>Annals of Statistics</i>	948	962	929	906	861	-5.0%
<i>Statistical Science</i>	717	708	671	666	629	-5.6%
<i>IMS Bulletin</i>	96	90	75	71	70	-1.4%
<i>Current Index to Statistics (ceased 2016)</i>	199	182	N/A	N/A	N/A	N/A
<i>Annals Inst Henri Poincaré (B)</i> <sup>5</sup>	305	304	300	289	288	-0.3%
<i>Bernoulli</i> <sup>5</sup>	299	298	303	298	294	-1.3%
<i>Brazilian J Probab Stat</i> <sup>5</sup>	135	135	134	132	142	7.6%
<b>Total</b>	<b>4,437</b>	<b>4,377</b>	<b>4,046</b>	<b>3,946</b>	<b>3,819</b>	<b>-3.2%</b>
<b>Total IMS journals</b>	<b>3,403</b>	<b>3,368</b>	<b>3,234</b>	<b>3,156</b>	<b>3,025</b>	<b>-4.2%</b>

<sup>5</sup> denotes IMS-supported journals.

TABLE 4: Total sales of IMS Monographs and IMS Textbooks

Book series	2015	2016	2017	2018	2019	TOTAL
<i>IMS Monographs (6 vols to end of 2019)</i>	543	4,115	4,214	2,414	1,253	<b>16,224</b>
<i>IMS Textbooks (11 vols to end of 2019)</i>	1254	777	630	1,018	1,940	<b>8,804</b>
<b>Total sales</b>	<b>1,797</b>	<b>4,892</b>	<b>4,844</b>	<b>3,432</b>	<b>3,193</b>	<b>25,028</b>

**Conclusion**

The IMS Executive Committee has reviewed all data in this report. A long-term financial plan is already in place and the IMS continues to be strong and stable financially. The decreases in institutional subscriptions are being felt across the

market and are not unexpected. The IMS leadership began planning for these decreases over 15 years ago, and has ensured that IMS resources are shored up to protect the long-term stability and growth of the society.

*Zhengjun Zhang, IMS Treasurer*

