



# MD Monthly— NOVEMBER 2020

## Membership Development Report

This report is issued monthly on behalf of the IEEE Member & Geographic Activities Board. Source data is IEEE membership statistics. All information contained in this report is proprietary and confidential, reserved for IEEE staff and volunteer use only.

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Monthly Snapshot	YoY Change		Nov '20	Nov '19	Oct '20	Nov '20 vs. Oct '20	
<b>IEEE Membership</b>		<b>-28,451</b>	<b>-6.9%</b>	<b>381,248</b>	<b>409,699</b>	<b>375,308</b>	<b>+1.6%</b>
Honorary		2	+5.7%	37	35	37	0.0%
Fellow		64	+0.8%	7,677	7,613	7,678	0.0%
Senior Member		2,013	+4.4%	47,840	45,827	47,775	+0.1%
Member		-8,087	-3.5%	224,202	232,289	222,636	+0.7%
Associate Member		-830	-12.6%	5,741	6,571	5,745	-0.1%
Graduate Student		-3,217	-7.1%	41,881	45,098	39,777	+5.3%
Undergraduate Student		-18,396	-25.5%	53,870	72,266	51,660	+4.3%
<b>Society Membership</b>		<b>-5,378</b>	<b>-1.7%</b>	<b>313,098</b>	<b>318,476</b>	<b>308,383</b>	<b>+1.5%</b>
7 Societies up > 1%		6,125	<b>Societies Note:</b> Sum of respective gains and losses, with all counts <b>excluding</b> Affiliates. <b>Including Affiliates, total Society memberships are down year-over-year by -6,679 or -2.0%.</b>				
5 Societies +/- 1%		-79					
27 Societies down > 1%		-11,424					

MD Channel	2021 Membership Year To Date								
	'20	'19	'18	'17		'20	'19	'18	'17
<b>Retention</b> (Rate and Count)	<b>37.3%</b> <b>132,981</b>	36.7% 139,160	34.0% 129,799	35.2% 132,746	<b>Recruitment</b>	<b>17,741</b>	24,846	25,688	24,278
<b>Higher-Grade</b>	<b>45.3%</b> <b>126,384</b>	45.5% 130,606	42.2% 122,501	43.5% 125,880	<b>Reinstatement</b>	<b>6,954</b>	6,426	6,877	6,445
<b>STU/GSM</b>	<b>8.5%</b> <b>6,597</b>	9.2% 8,554	8.0% 7,298	7.8% 6,866	<b>Recovery</b> (subset of retention)	n/a	n/a	n/a	n/a

MD Calendar	Recruitment Activities	Retention Activities
<b>January</b>	Turn attention toward retention activities. →  Member referrals can earn your members'—and your Section— awards: <a href="http://www.ieee.org/mgm">www.ieee.org/mgm</a>  Promote FUTURE50 discount to students joining.	<b>2021 Renewal</b> – Third paper notice is mailed to unrenewed HG members on 2 January.  Promote FUTURE50 discount to students renewing.  Consider sending a new year message to your members. Review virtual activities and events provided in 2020, and offer a preview of those planned for 2021.
<b>February</b>	Member referrals can earn your members'—and your Section— awards: <a href="http://www.ieee.org/mgm">www.ieee.org/mgm</a>  Turn attention toward retention activities. →	<b>Arrears Recovery Outreach</b> – The annual service deactivation occurs on 27 February for all members who have not renewed for 2021.

Find all Membership Development resources on the MD Portal at [www.ieee.org/md](http://www.ieee.org/md)

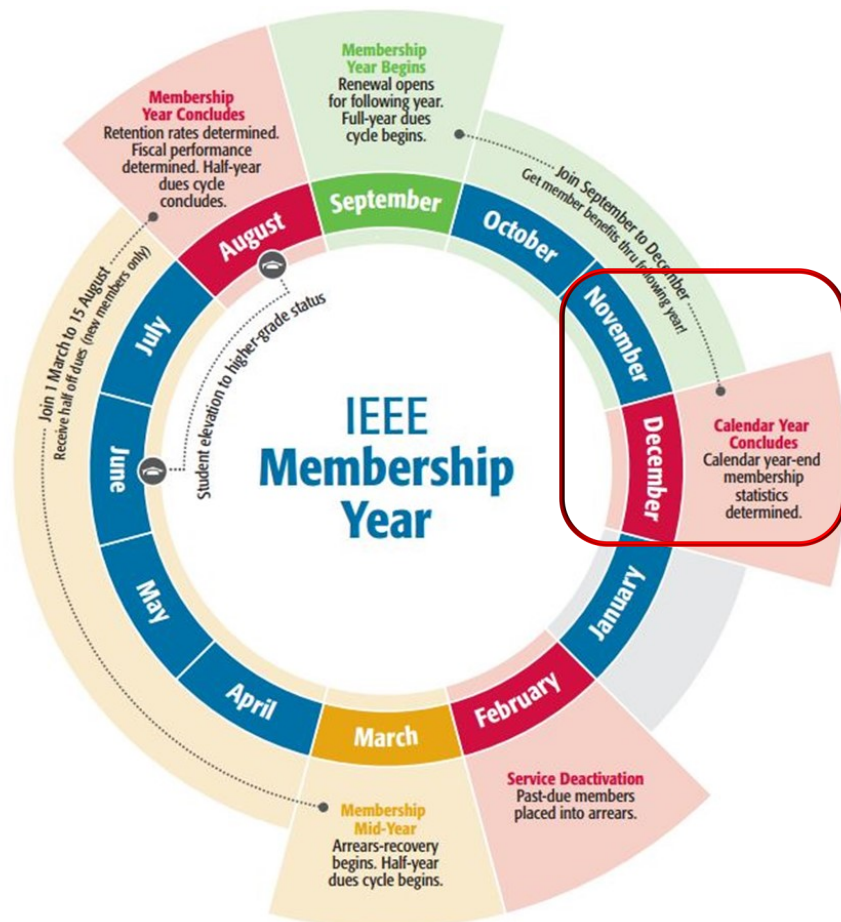


### November MD Highlights

Overall IEEE membership is down 6.9% or 28,451 members year-over-year, and more than 75% of these losses are students. During the pandemic, student recruitment dropped off precipitously and has shown steady year-over-year declines of about 45% the last few months. The student experience on campus has been compromised, and new enrollments are down. There is a resurgence of student member recruitment in Region 10, specifically China, where almost every Section is showing gains. There perhaps may be a return to growth as pandemic impacts improve geographically.

Higher grade membership declines are much smaller by comparison, as recruitment levels have resumed to normal levels for this time of year, as well as more reinstatement activity this year—more former members coming back.

Regarding renewal activity, there is no mistake we are behind in the number of renewals, but the retention rates thus far are in line with prior years. We just simply had a smaller denominator (renewal opportunity) to begin with.



### IEEE BoD Approves 50% Discount on Student Membership

In response to the student membership decline, the IEEE Board of Directors approved an extraordinary discount on student membership dues during its November meeting. The intent of action is to provide relief to students whose student branch experience has been compromised, stem the decline in student membership, and fuel student branch activity once there is more normalcy.

Effective as of this writing any new or renewing student member can use a special promotion code FUTURE50 to receive 50% off their IEEE student membership dues. The FUTURE50 discount initiative will be a multi-year effort, supported by a comprehensive social media campaign that will roll out in the next month. The first major communication of the discount will go to unrenewed student members in mid-December. In addition, there will be tools created for use at the Section and Region-level to help spread awareness of the offer. Any student who has already joined or renewed at full price and would like to take advantage of the discount may get a refund toward next year's renewal by reaching out to the Contact Center.

Student members are the pipeline to professional members, and swift action is needed this year to offset future losses. We strongly encourage all membership development officers worldwide to assist in communicating this exciting and critically important initiative to their student members.

⇒ Charts on overall membership, recruitment and retention are on [page 5](#).

⇒ Society membership details are on [page 6](#).



**Give the Gift of IEEE Membership.** Makes a great holiday gift!

**Save US\$25 on professional gift membership** until 15 January 2021. Student gift memberships are also discounted by 50%. [ieee.org/gift](http://ieee.org/gift)

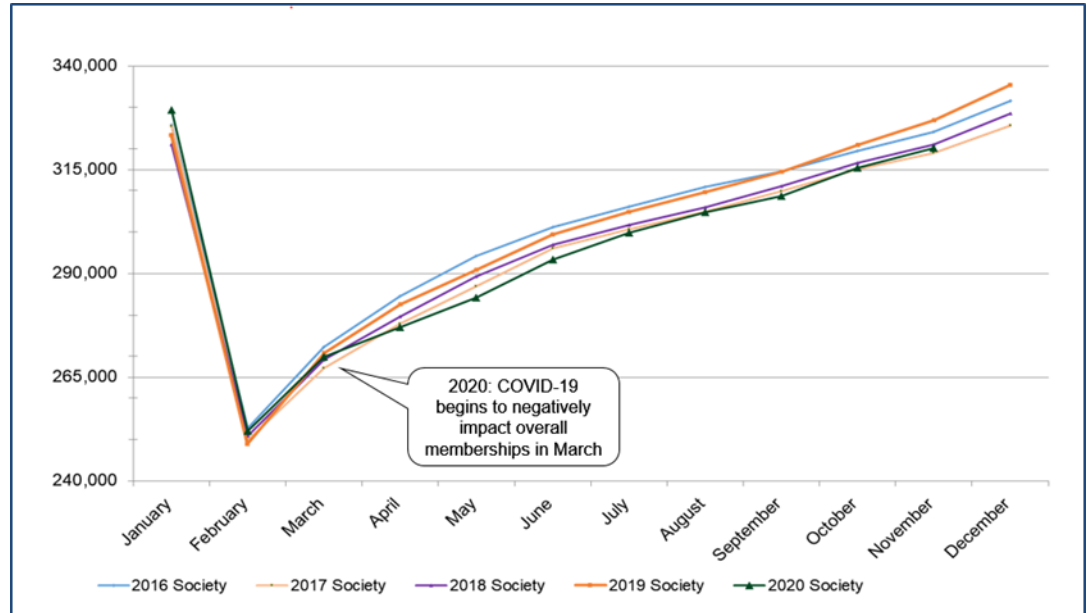


### Technical Activities Society Spotlight

Every month the Membership Development Report highlights a few best practices, accomplishments, and lessons learned in IEEE Technical Activities (TA). View the report at <https://ta.ieee.org/mdreports>.

#### 2016-2020 Year-Over-Year: Society Membership Decline Continues During Pandemic

With 320,290 memberships in 2020 as of November month-end, Society memberships (including affiliates) are down 6,679 or 2.0% compared to 2019. This is an additional 0.3% decline to last month's 1.7% decline. Meanwhile, IEEE membership declined an additional 0.2%, or down 6.9% this month compared to 6.7% the previous month. Society memberships, excluding affiliates, are down 1.7% for this same time period.



Overall, for the 2021 membership renewal year, which began in September, IEEE Society new and reinstated memberships are down 9.8% compared to last year. For the month of November, IEEE Society new and reinstated memberships are down 20% compared to last year.

#### Membership Development During Uncertain Times: Advice from the IEEE Computer Society

Between a global pandemic, the uncertainty around the future of conferences, trying to add new Society members while engaging current members, it is important for IEEE Societies to stay the course, keep calm, and continue marketing its programs, products, and services.

The IEEE Computer Society's approach is to not remain silent in an effort to stay top of mind. Here are a few tips:

- Inform About Your Services:** Let your customers know about the services you have available to support them during these challenging times. Then when this all goes away, and it will go away, your Society will be the first they call upon when they need a solution to their future problems.
- Survey Members to Discover THEIR Needs:** Rather than making assumptions on their needs, survey your membership to discover what they require during these times. Ask open-ended questions allowing you to dig deeper. Whether homebound or in the office, members still need to stay informed and are looking for opportunities to stay engaged with their professional home – which is your Society.
- Remind, Remind, Remind:** Members, and potential members, should be reminded that your Society is the go-to-source for information, resources, and networking within their technical areas. Targeted communications highlighting technical articles, providing access to educational resources that further their careers, inviting them to participate and network at virtual conferences and events will remind them of the value of their membership. Whether you are trying to get a prospect to join or a current member to renew you need to ask them, tell them, and ask them again to become engaged in your Society.

During these challenging times, leave your current and prospective members with one thought: Your Society was there for their professional needs during this pandemic and will be the first place they turn to for their future professional needs when this pandemic is in their rear-view mirror.



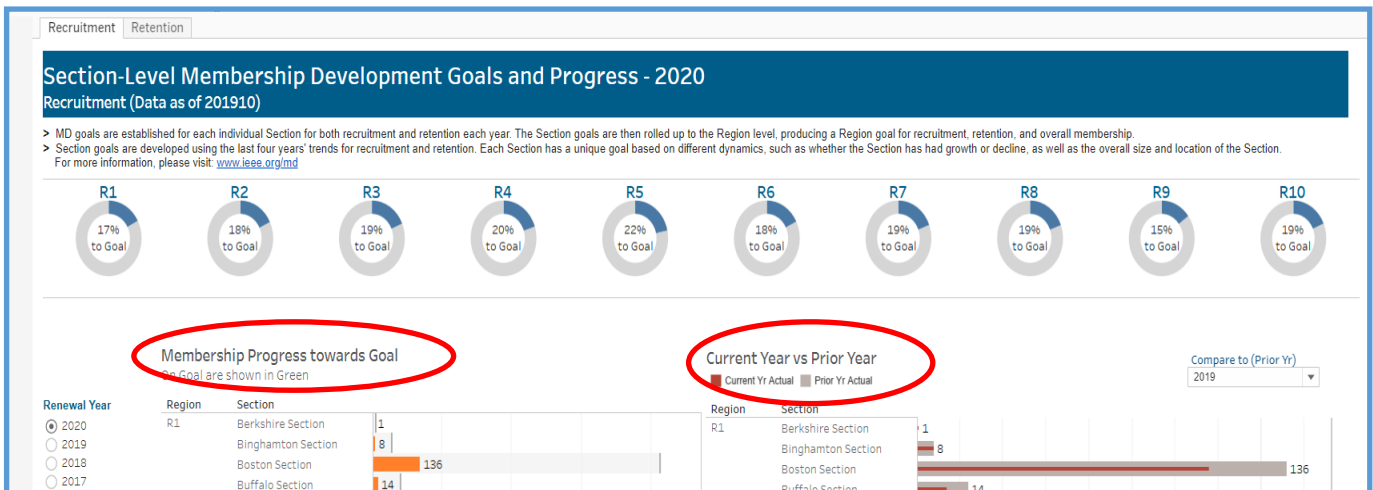
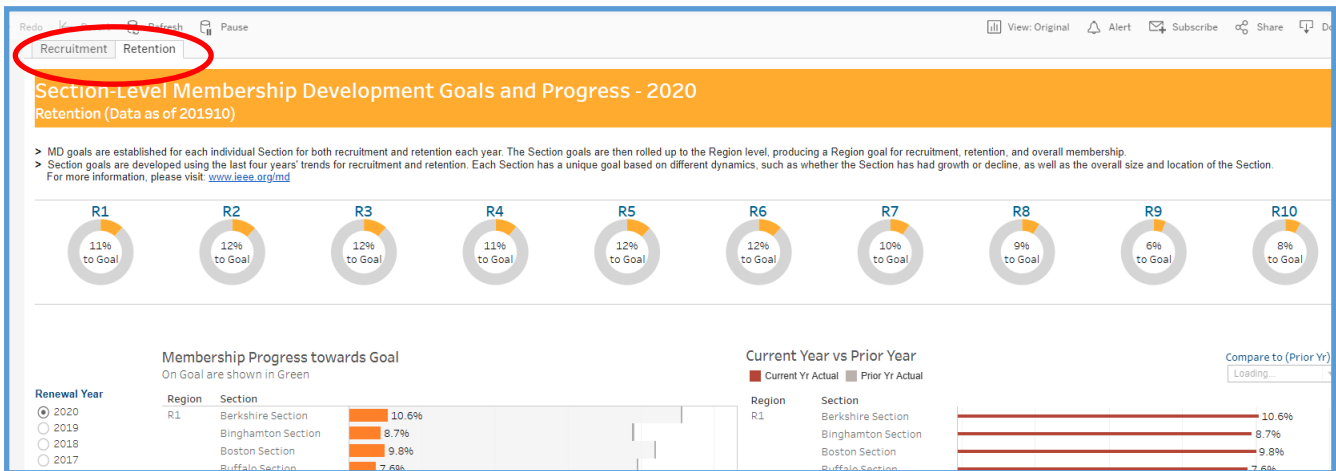
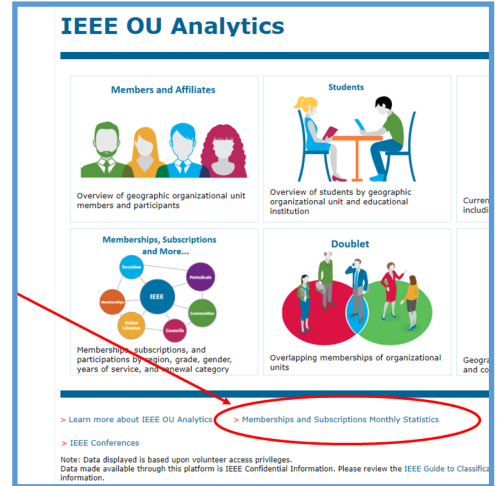
Outstanding Section Membership Recruitment and Retention Performance

### 2021 Membership Development Goals

#### 2021 Goals and Progress Dashboard Are in OU Analytics

Go to the Memberships and Subscriptions Monthly Statistics workbook in OU Analytics to view Section-level goals and progress to goal live. This new dashboard also includes a prior year comparison feature, so you can compare progress to the past three years. Direct link: <https://tblanalytics.ieee.org/#/site/IEEE/views/MembershipDevelopmentGoalsandProgress/>

Each Section has a unique goal based on different dynamics - whether the Section has had growth or decline, as well as the overall size and location of the Section. See the data behind goal development: <https://mga.ieee.org/membership-development/membership-development-goals-and-recognition>





Current Month Charts

Green shading = year-over-year growth >1.0%; Yellow shading = +/- 0.99%; Red shading < (1.0%)

Geographic IEEE Membership Summary - November 2020

REGION	Higher-Grade w/o GSM				Graduate Students				Undergraduate Students				TOTAL MEMBERS					
	2020		2019		Change		2020		2019		Change		2020		2019		Change	
		#	%		#	%		#	%		#	%		#	%		#	%
1	22,807	24,351	(1,544)	-6.3%	1,539	1,723	(184)	-10.7%	1,345	1,847	(502)	-27.2%	25,691	27,921	(2,230)	-8.0%		
2	20,132	21,066	(934)	-4.4%	1,339	1,529	(190)	-12.4%	1,081	1,279	(198)	-15.5%	22,552	23,874	(1,322)	-5.5%		
3	21,035	21,735	(700)	-3.2%	1,948	2,230	(282)	-12.6%	1,593	2,276	(683)	-30.0%	24,576	26,241	(1,665)	-6.3%		
4	14,552	15,442	(890)	-5.8%	1,485	1,664	(179)	-10.8%	1,300	1,707	(407)	-23.8%	17,337	18,813	(1,476)	-7.8%		
5	19,653	20,634	(981)	-4.8%	1,452	1,659	(207)	-12.5%	1,670	2,059	(389)	-18.9%	22,775	24,352	(1,577)	-6.5%		
6	39,923	42,183	(2,260)	-5.4%	2,421	2,749	(328)	-11.9%	2,634	3,614	(980)	-27.1%	44,978	48,546	(3,568)	-7.3%		
R 1-6	138,102	145,411	(7,309)	-5.0%	10,184	11,554	(1,370)	-11.9%	9,623	12,782	(3,159)	-24.7%	157,909	169,747	(11,838)	-7.0%		
7	11,906	12,898	(992)	-7.7%	1,825	2,037	(212)	-10.4%	1,149	1,712	(563)	-32.9%	14,880	16,647	(1,767)	-10.6%		
8	50,297	52,452	(2,155)	-4.1%	9,289	10,484	(1,195)	-11.4%	8,717	11,151	(2,434)	-21.8%	68,303	74,087	(5,784)	-7.8%		
9	8,859	9,252	(393)	-4.2%	1,309	1,531	(222)	-14.5%	5,583	7,618	(2,035)	-26.7%	15,751	18,401	(2,650)	-14.4%		
10	76,333	72,322	4,011	5.5%	19,274	19,492	(218)	-1.1%	28,798	39,003	(10,205)	-26.2%	124,405	130,817	(6,412)	-4.9%		
R 7-10	147,395	146,924	471	0.3%	31,697	33,544	(1,847)	-5.5%	44,247	59,484	(15,237)	-25.6%	223,339	239,952	(16,613)	-6.9%		
TOTAL	285,497	292,335	(6,838)	-2.3%	41,881	45,098	(3,217)	-7.1%	53,870	72,266	(18,396)	-25.5%	381,248	409,699	(28,451)	-6.9%		

Cumulative Recruitment - November 2020

REGION	HIGHER GRADE w/o GSMs				GRADUATE STUDENTS				UNDERGRADUATE STUDENTS				TOTAL MEMBERS					
	2020		2019		Change		2020		2019		Change		2020		2019		Change	
		#	%		#	%		#	%		#	%		#	%		#	%
1	153	193	(40)	-20.7%	158	197	(39)	-19.8%	319	409	(90)	-22.0%	630	799	(169)	-21.2%		
2	151	210	(59)	-28.1%	122	185	(63)	-34.1%	166	275	(109)	-39.6%	439	670	(231)	-34.5%		
3	170	192	(22)	-11.5%	191	248	(57)	-23.0%	278	522	(244)	-46.7%	639	962	(323)	-33.6%		
4	117	154	(37)	-24.0%	127	214	(87)	-40.7%	241	398	(157)	-39.4%	485	766	(281)	-36.7%		
5	159	231	(72)	-31.2%	153	212	(59)	-27.8%	341	536	(195)	-36.4%	653	979	(326)	-33.3%		
6	340	463	(123)	-26.6%	186	302	(116)	-38.4%	486	792	(306)	-38.6%	1,012	1,557	(545)	-35.0%		
R 1-6	1090	1,443	(353)	-24.5%	937	1,358	(421)	-31.0%	1,831	2,932	(1,101)	-37.6%	3,858	5,733	(1,875)	-32.7%		
7	104	116	(12)	-10.3%	171	251	(80)	-31.9%	175	465	(290)	-62.4%	450	832	(382)	-45.9%		
8	616	696	(80)	-11.5%	1,036	1,198	(162)	-13.5%	1,832	2,695	(863)	-32.0%	3,484	4,589	(1,105)	-24.1%		
9	183	155	28	18.1%	160	159	1	0.6%	725	1,120	(395)	-35.3%	1,068	1,434	(366)	-25.5%		
10	1,919	1,438	481	33.4%	3,294	2,970	324	10.9%	3,668	7,850	(4,182)	-53.3%	8,881	12,258	(3,377)	-27.5%		
R 7-10	2,822	2,405	417	17.3%	4,661	4,578	83	1.8%	6,400	12,130	(5,730)	-47.2%	13,883	19,113	(5,230)	-27.4%		
TOTAL	3,912	3,848	64	1.7%	5,598	5,936	(338)	-5.7%	8,231	15,062	(6,831)	-45.4%	17,741	24,846	(7,105)	-28.6%		

IEEE Membership Renewal / Retention - November 2021 Membership Year

REGION	HIGHER GRADE w/o GSM				GRADUATE STUDENTS				UNDERGRADUATE STUDENTS				TOTAL MEMBERS			
	Oppor-tunity	Renewal			Oppor-tunity	Renewal			Oppor-tunity	Renewal			Oppor-tunity	Renewal		
		#	%, '21	%, '20		#	%, '21	%, '20		#	%, '21	%, '20		#	%, '21	%, '20
1	22,520	12,324	54.7%	53.0%	1,273	159	12.5%	18.7%	972	67	6.9%	10.2%	24,765	12,550	50.7%	49.0%
2	19,765	11,120	56.3%	54.7%	1,129	149	13.2%	18.6%	896	60	6.7%	9.9%	21,790	11,329	52.0%	50.8%
3	20,616	10,898	52.9%	52.9%	1,599	275	17.2%	21.4%	1,267	78	6.2%	10.7%	23,482	11,251	47.9%	47.8%
4	14,414	7,560	52.4%	52.4%	1,245	234	18.8%	22.2%	1,022	84	8.2%	11.4%	16,681	7,878	47.2%	47.3%
5	19,314	9,914	51.3%	51.8%	1,204	176	14.6%	22.1%	1,276	84	6.6%	11.2%	21,794	10,174	46.7%	47.5%
6	39,259	21,066	53.7%	53.1%	2,047	308	15.0%	21.5%	2,083	151	7.2%	10.3%	43,389	21,525	49.6%	49.0%
R 1-6	135,888	72,882	53.6%	53.0%	8,497	1,301	15.3%	20.9%	7,516	524	7.0%	10.6%	151,901	74,707	49.2%	48.7%
7	11,788	5,317	45.1%	43.3%	1,457	359	24.6%	25.3%	942	103	10.9%	13.3%	14,187	5,779	40.7%	39.2%
8	49,474	18,723	37.8%	37.5%	7,575	1,415	18.7%	20.1%	6,652	364	5.5%	6.5%	63,701	20,502	32.2%	31.6%
9	8,586	2,502	29.1%	30.1%	1,025	113	11.0%	15.0%	4,628	161	3.5%	4.7%	14,239	2,776	19.5%	19.3%
10	73,320	26,960	36.8%	38.5%	14,853	1,515	10.2%	10.3%	24,697	742	3.0%	1.8%	112,870	29,217	25.9%	25.1%
R 7-10	143,168	53,502	37.4%	38.0%	24,910	3,402	13.7%	14.6%	36,919	1,370	3.7%	3.3%	204,997	58,274	28.4%	27.7%
TOTAL	279,056	126,384	45.3%	45.5%	33,407	4,703	14.1%	16.2%	44,435	1,894	4.3%	4.6%	356,898	132,981	37.3%	36.7%

Notes: e-Members are included in the higher grade counts of Regions 3, 8, 9, and 10. Life Members are included in higher grade counts.



## Society Memberships

IEEE Society Membership Totals as of November 2020																				
SOCIETY / DIVISION	IEEE Higher Grade Members (including GSMs)		Change		IEEE Student Members		Change		Society Affiliates		Change		Society Totals (with affiliates)		Change		Society Totals (without affiliates)		Change	
	2020	2019	#	%	2020	2019	#	%	2020	2019	#	%	2020	2019	#	%	2020	2019	#	%
<b>IEEE Societies</b>																				
<b>DIVISION I</b>																				
Circuits & Systems	9,803	9,649	154	1.6%	875	575	300	52.2%	36	38	-2	-5.3%	10,714	10,262	452	4.4%	10,678	10,224	454	4.4%
Electron Devices	8,804	9,154	-350	-3.8%	536	826	-290	-35.1%	60	68	-8	-11.8%	9,400	10,048	-648	-6.4%	9,340	9,980	-640	-6.4%
Solid-State Circuits	9,697	9,929	-232	-2.3%	147	252	-105	-41.7%	112	107	5	4.7%	9,956	10,288	-332	-3.2%	9,844	10,181	-337	-3.3%
<b>Div I Subtotal</b>	<b>28,304</b>	<b>28,732</b>	<b>-428</b>	<b>-1.5%</b>	<b>1,558</b>	<b>1,653</b>	<b>-95</b>	<b>-5.7%</b>	<b>208</b>	<b>213</b>	<b>-5</b>	<b>-2.3%</b>	<b>30,070</b>	<b>30,598</b>	<b>-528</b>	<b>-1.7%</b>	<b>29,862</b>	<b>30,385</b>	<b>-523</b>	<b>-1.7%</b>
<b>DIVISION II</b>																				
Electronics Packaging	2,263	2,330	-67	-2.9%	73	93	-20	-21.5%	32	26	6	23.1%	2,368	2,449	-81	-3.3%	2,336	2,423	-87	-3.6%
Dielectrics & Electrical Insulation	1,844	1,971	-127	-6.4%	16	22	-6	-27.3%	21	23	-2	-8.7%	1,881	2,016	-135	-6.7%	1,860	1,993	-133	-6.7%
Industry Applications	9,681	10,819	-1,138	-10.5%	2,430	3,900	-1,470	-37.7%	32	46	-14	-30.4%	12,143	14,765	-2,622	-17.8%	12,111	14,719	-2,608	-17.7%
Instrumentation & Measurements	3,606	3,685	-79	-2.1%	118	141	-23	-16.3%	18	26	-8	-30.8%	3,742	3,852	-110	-2.9%	3,724	3,826	-102	-2.7%
Power Electronics	8,708	9,051	-343	-3.8%	777	1,579	-802	-50.8%	65	55	10	18.2%	9,550	10,685	-1,135	-10.6%	9,485	10,630	-1,145	-10.8%
Ultrasonics, Ferroelectrics, Freq Ctrl	2,073	2,173	-100	-4.6%	38	48	-10	-20.8%	47	43	4	9.3%	2,158	2,264	-106	-4.7%	2,111	2,221	-110	-5.0%
<b>Div II Subtotal</b>	<b>28,175</b>	<b>30,029</b>	<b>-1,854</b>	<b>-6.2%</b>	<b>3,452</b>	<b>5,783</b>	<b>-2,331</b>	<b>-40.3%</b>	<b>215</b>	<b>219</b>	<b>-4</b>	<b>-1.8%</b>	<b>31,842</b>	<b>36,031</b>	<b>-4,189</b>	<b>-11.6%</b>	<b>31,627</b>	<b>35,812</b>	<b>-4,185</b>	<b>-11.7%</b>
<b>DIVISION III</b>																				
Communications	26,919	25,130	1,789	7.1%	1,788	1,359	429	31.6%	284	316	-32	-10.1%	28,991	26,805	2,186	8.2%	28,707	26,489	2,218	8.4%
<b>DIVISION IV</b>																				
Antennas & Propagation	8,634	8,842	-208	-2.4%	335	394	-59	-15.0%	63	65	-2	-3.1%	9,032	9,301	-269	-2.9%	8,969	9,236	-267	-2.9%
Broadcast Technology	1,441	1,540	-99	-6.4%	104	90	14	15.6%	49	61	-12	-19.7%	1,594	1,691	-97	-5.7%	1,545	1,630	-85	-5.2%
Consumer Technology	2,189	2,472	-283	-11.4%	92	71	21	29.6%	14	18	-4	-22.2%	2,295	2,561	-266	-10.4%	2,281	2,543	-262	-10.3%
Electromagnetic Compatibility	3,400	3,484	-84	-2.4%	38	50	-12	-24.0%	44	49	-5	-10.2%	3,482	3,583	-101	-2.8%	3,438	3,534	-96	-2.7%
Magnetics	2,553	2,669	-116	-4.3%	45	41	4	9.8%	71	62	9	14.5%	2,669	2,772	-103	-3.7%	2,598	2,710	-112	-4.1%
Microwave Theory & Techniques	10,452	10,396	56	0.5%	219	326	-107	-32.8%	52	36	16	44.4%	10,723	10,758	-35	-0.3%	10,671	10,722	-51	-0.5%
Nuclear & Plasma Sciences	2,841	3,046	-205	-6.7%	933	998	-65	-6.5%	36	39	-3	-7.7%	3,810	4,083	-273	-6.7%	3,774	4,044	-270	-6.7%
<b>Div IV Subtotal</b>	<b>31,510</b>	<b>32,449</b>	<b>-939</b>	<b>-2.9%</b>	<b>1,766</b>	<b>1,970</b>	<b>-204</b>	<b>-10.4%</b>	<b>329</b>	<b>330</b>	<b>-1</b>	<b>-0.3%</b>	<b>33,605</b>	<b>34,749</b>	<b>-1,144</b>	<b>-3.3%</b>	<b>33,276</b>	<b>34,419</b>	<b>-1,143</b>	<b>-3.3%</b>
<b>DIVISION V/VIII</b>																				
Computer	38,850	37,184	1,666	4.5%	5,176	5,870	-694	-11.8%	4,199	5,084	-885	-17.4%	48,225	48,138	87	0.2%	44,026	43,054	972	2.3%
<b>DIVISION VI</b>																				
Education	3,194	3,206	-12	-0.4%	66	84	-18	-21.4%	41	36	5	13.9%	3,301	3,326	-25	-0.8%	3,260	3,290	-30	-0.9%
Industrial Electronics	7,916	7,345	571	7.8%	1,271	245	1,026	418.8%	29	31	-2	-6.5%	9,216	7,621	1,595	20.9%	9,187	7,590	1,597	21.0%
Product Safety Engineering	748	800	-52	-6.5%	0	12	-12	-100.0%	15	17	-2	-11.8%	763	829	-66	-8.0%	748	812	-64	-7.9%
Professional Communication	515	547	-32	-5.9%	21	25	-4	-16.0%	36	36	0	0.0%	572	608	-36	-5.9%	536	572	-36	-6.3%
Reliability	1,470	1,590	-120	-7.5%	28	22	6	27.3%	23	32	-9	-28.1%	1,521	1,644	-123	-7.5%	1,498	1,612	-114	-7.1%
Social Implications of Technology	1,500	1,522	-22	-1.4%	122	175	-53	-30.3%	19	23	-4	-17.4%	1,641	1,720	-79	-4.6%	1,622	1,697	-75	-4.4%
Technology and Engineering Management Society	2,680	2,837	-157	-5.5%	256	104	152	146.2%	44	45	-1	-2.2%	2,980	2,986	-6	-0.2%	2,936	2,941	-5	-0.2%
<b>Div VI Subtotal</b>	<b>18,023</b>	<b>17,847</b>	<b>176</b>	<b>1.0%</b>	<b>1,764</b>	<b>667</b>	<b>1,097</b>	<b>164.5%</b>	<b>207</b>	<b>220</b>	<b>-13</b>	<b>-5.9%</b>	<b>19,994</b>	<b>18,734</b>	<b>1,260</b>	<b>6.7%</b>	<b>19,787</b>	<b>18,514</b>	<b>1,273</b>	<b>6.9%</b>
<b>DIVISION VII</b>																				
Power & Energy	30,653	31,267	-614	-2.0%	5,830	6,870	-1,040	-15.1%	462	446	16	3.6%	36,945	38,583	-1,638	-4.2%	36,483	38,137	-1,654	-4.3%
<b>DIVISION IX</b>																				
Aerospace & Electronic Systems	4,714	4,563	151	3.3%	349	311	38	12.2%	32	27	5	18.5%	5,095	4,901	194	4.0%	5,063	4,874	189	3.9%
Geoscience & Remote Sensing	3,973	3,944	29	0.7%	175	269	-94	-34.9%	167	210	-43	-20.5%	4,315	4,423	-108	-2.4%	4,148	4,213	-65	-1.5%
Information Theory	3,742	3,148	594	18.9%	111	82	29	35.4%	35	39	-4	-10.3%	3,888	3,269	619	18.9%	3,853	3,230	623	19.3%
Intelligent Transportation Systems	1,935	2,043	-108	-5.3%	46	61	-15	-24.6%	24	46	-22	-47.8%	2,005	2,150	-145	-6.7%	1,981	2,104	-123	-5.8%
Oceanic Engineering	1,674	1,716	-42	-2.4%	60	110	-50	-45.5%	25	32	-7	-21.9%	1,759	1,858	-99	-5.3%	1,734	1,826	-92	-5.0%
Signal Processing	16,214	16,515	-301	-1.8%	1,418	1,450	-32	-2.2%	289	380	-91	-23.9%	17,921	18,345	-424	-2.3%	17,632	17,965	-333	-1.9%
Vehicular Technology	4,908	4,911	-3	-0.1%	139	172	-33	-19.2%	39	34	5	14.7%	5,086	5,117	-31	-0.6%	5,047	5,083	-36	-0.7%
<b>Div IX Subtotal</b>	<b>37,160</b>	<b>36,840</b>	<b>320</b>	<b>0.9%</b>	<b>2,298</b>	<b>2,455</b>	<b>-157</b>	<b>-6.4%</b>	<b>611</b>	<b>768</b>	<b>-157</b>	<b>-20.4%</b>	<b>40,069</b>	<b>40,063</b>	<b>6</b>	<b>0.0%</b>	<b>39,458</b>	<b>39,295</b>	<b>163</b>	<b>0.4%</b>
<b>DIVISION X</b>																				
Computational Intelligence	7,381	7,217	164	2.3%	348	469	-121	-25.8%	109	107	2	1.9%	7,838	7,793	45	0.6%	7,729	7,686	43	0.6%
Control Systems	7,987	8,112	-125	-1.5%	172	232	-60	-25.9%	57	64	-7	-10.9%	8,216	8,408	-192	-2.3%	8,159	8,344	-185	-2.2%
Engineering in Medicine & Biology	7,687	8,419	-732	-8.7%	953	1,243	-290	-23.3%	221	350	-129	-36.9%	8,861	10,012	-1,151	-11.5%	8,640	9,662	-1,022	-10.6%
Photonics	5,818	6,005	-187	-3.1%	673	414	259	62.6%	109	180	-71	-39.4%	6,600	6,599	1	0.0%	6,491	6,419	72	1.1%
Robotics & Automation	11,633	11,910	-277	-2.3%	2,331	3,053	-722	-23.6%	149	161	-12	-7.5%	14,113	15,124	-1,011	-6.7%	13,964	14,963	-999	-6.7%
Systems, Man & Cybernetics	4,753	5,132	-379	-7.4%	136	165	-29	-17.6%	32	35	-3	-8.6%	4,921	5,332	-411	-7.7%	4,889	5,297	-408	-7.7%
<b>Div X Subtotal</b>	<b>45,259</b>	<b>46,795</b>	<b>-1,536</b>	<b>-3.3%</b>	<b>4,613</b>	<b>5,576</b>	<b>-963</b>	<b>-17.3%</b>	<b>677</b>	<b>897</b>	<b>-220</b>	<b>-24.5%</b>	<b>50,549</b>	<b>53,268</b>	<b>-2,719</b>	<b>-5.1%</b>	<b>49,872</b>	<b>52,371</b>	<b>-2,499</b>	<b>-4.8%</b>
<b>TOTAL</b>	<b>284,853</b>	<b>286,273</b>	<b>-1,420</b>	<b>-0.5%</b>	<b>28,245</b>	<b>32,203</b>	<b>-3,958</b>	<b>-12.3%</b>	<b>7,192</b>	<b>8,493</b>	<b>-1,301</b>	<b>-15.3%</b>	<b>320,290</b>	<b>326,969</b>	<b>-6,679</b>	<b>-2.0%</b>	<b>313,098</b>	<b>318,476</b>	<b>-5,378</b>	<b>-1.7%</b>



## Special Interest Memberships



IEEE Women in Engineering (WIE) membership is only available to IEEE members. WIE membership is free for students, graduate students and life members. Professional members pay a WIE membership fee.

Grade	This Month '20	This Month '19	YoY # Chg	YoY % Chg
Fellow	144	130	14	+10.8%
Senior Member	1,200	1,101	99	+9.0%
Member	5,180	5,033	147	+2.9%
Associate Member	191	185	6	+3.2%
Graduate Student	2,270	2,199	71	+3.2%
Student	13,286	13,371	(85)	-0.6%
<b>Total</b>	<b>22,271</b>	<b>22,019</b>	<b>252</b>	<b>+1.1%</b>

Region	This Month '20	This Month '19	YoY # Chg	YoY % Chg
U.S.	3,438	3569	(131)	-3.7%
Canada	481	466	15	+3.2%
Europe, Middle East, Africa	3,855	3,483	372	+10.7%
Latin America	2,707	2,996	(289)	-9.6%
Asia Pacific	11,790	11,505	285	+2.5%
<b>Total</b>	<b>22,271</b>	<b>22,019</b>	<b>252</b>	<b>+1.1%</b>

## IEEE STANDARDS ASSOCIATION

Grade	This Month '20	This Month '19	YoY # Chg	YoY % Chg
Student	61	58	3	+5.2%
Higher Grade	6,809	6,712	97	+1.4%
Affiliate	60	63	-3	-4.8%
SA Only Members	775	730	45	+6.2%
<b>Total</b>	<b>7,705</b>	<b>7,563</b>	<b>142</b>	<b>+1.9%</b>

IEEE Standards Association members may also be IEEE members or Society Affiliates. However IEEE or Society membership is not a requirement to join. These individuals join the Standards Association for the benefit of being able to ballot on standards projects and assume leadership roles within a working group.



## Special Interest Memberships



Membership in IEEE Young Professionals is automatically given to Graduate Students (GSM) and higher grade members within 15 years of receiving their first professional degree, and higher grade members beyond 15 years who wish to opt in, at no additional cost.

Geographic IEEE Young Professional Membership - November 2020									
Region	Higher Grade w/o GSM			GSM w/o Students			Total		
	2020	2019	% Change	2020	2019	% Change	2020	2019	% Change
	#	#	% Change	#	#	% Change	#	#	% Change
1	3,215	3,481	-7.6%	1,440	1,610	-10.6%	4,655	5,091	-8.6%
2	2,684	2,848	-5.8%	1,235	1,416	-12.8%	3,919	4,264	-8.1%
3	3,413	3,502	-2.5%	1,785	2,094	-14.8%	5,198	5,596	-7.1%
4	2,450	2,716	-9.8%	1,383	1,555	-11.1%	3,833	4,271	-10.3%
5	3,313	3,488	-5.0%	1,345	1,554	-13.4%	4,658	5,042	-7.6%
6	6,301	6,781	-7.1%	2,226	2,531	-12.1%	8,527	9,312	-8.4%
R 1-6	21,376	22,816	-6.3%	9,414	10,760	-12.5%	30,790	33,576	-8.3%
7	2,920	3,373	-13.4%	1,664	1,888	-11.9%	4,584	5,261	-12.9%
8	14,211	14,696	-3.3%	8,714	9,933	-12.3%	22,925	24,629	-6.9%
9	3,160	3,310	-4.5%	1,157	1,382	-16.3%	4,317	4,692	-8.0%
10	21,987	22,430	-2.0%	18,431	18,613	-1.0%	40,418	41,043	-1.5%
R 7-10	42,278	43,809	-3.5%	29,966	31,816	-5.8%	72,244	75,625	-4.5%
<b>TOTAL</b>	<b>63,660</b>	<b>66,625</b>	<b>-4.5%</b>	<b>39,383</b>	<b>42,576</b>	<b>-7.5%</b>	<b>103,043</b>	<b>109,201</b>	<b>-5.6%</b>



## ETA KAPPA NU

*Electrical and Computer Engineering Honor Society*

Active IEEE Members that belong to Eta Kappa Nu

Geographic IEEE HKN Membership - October 2020									
Region	Higher Grade w/o GSM			Students			Total		
	2020	2019	% Change	2020	2019	% Change	2020	2019	% Change
	#	#	% Change	#	#	% Change	#	#	% Change
1	1,090	1,219	-10.6%	322	420	-23.3%	1,412	1,639	-13.8%
2	1,041	1,111	-6.3%	305	332	-8.1%	1,346	1,443	-6.7%
3	1,080	1,116	-3.2%	274	407	-32.7%	1,354	1,523	-11.1%
4	812	873	-7.0%	365	504	-27.6%	1,177	1,377	-14.5%
5	1,120	1,235	-9.3%	303	428	-29.2%	1,423	1,663	-14.4%
6	1,432	1,586	-9.7%	524	620	-15.5%	1,956	2,206	-11.3%
R 1-6	6,575	7,140	-7.9%	2,093	2,711	-22.8%	8,668	9,851	-12.0%
7	46	45	2.2%	4	6	-33.3%	50	51	-2.0%
8	183	162	13.0%	103	82	25.6%	286	244	17.2%
9	57	53	7.5%	21	34	-38.2%	78	87	-10.3%
10	159	148	7.4%	102	119	-14.3%	261	267	-2.2%
R 7-10	445	408	9.1%	230	241	-4.6%	675	649	4.0%
<b>TOTAL</b>	<b>7,020</b>	<b>7,548</b>	<b>-7.0%</b>	<b>2,323</b>	<b>2,952</b>	<b>-21.3%</b>	<b>9,343</b>	<b>10,500</b>	<b>-11.0%</b>