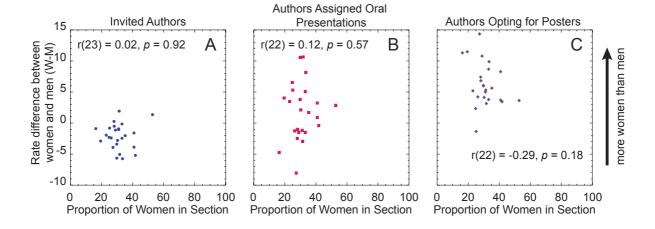
Supplementary Materials

Gender inequity in speaking opportunities at the American Geophysical Union Fall Meeting Ford et al.,

Supplementary Figure 1. The proportion of women in the Sections and invited authors, author assigned oral presentations and authors opting for "poster only" presentations.



For all Supplementary Tables, significant results (p < 0.05) are in **bold**.

Supplementary Table 1. Analysis of Invited Authors by First Author Career Stage

	Total Student		dent	Early (Career	Mid-C	Career	Experienced		Retired			
Total Abstracts	65,	247	18	789	9 2311		12 14815		7307		186		
	F	М	F	М	F	M	F	М	F	М	F	М	
	20900	44347	8042	10747	7900	15212	3548	11267	1157	6150	18	168	
	32%	68%	43%	57%	34%	66%	24%	76%	16%	84%	10%	90%	
Invited Authors	2040	5499	124	192	862	1501	725	2134	281	1477	2	22	
Invited Authors %	9.8%	12.4%	1.5%	1.8%	10.9%	9.9%	20.4%	18.9%	24.3%	24.0%	11.1%	13.1%	
mean	1.10	1.12	1.02	1.02	1.11	1.10	1.20	1.19	1.24	1.24	1.11	1.13	
std	0.297	0.330	0.123	0.132	0.312	0.298	0.403	0.392	0.429	0.427	0.323	0.338	
χ2	96	6.8	1.	66	6.	6.18		3.87		0.0391		0.0570	
p-value	<0.	001	0.	0.197		0.013		0.049		0.843		0.811	

Supplementary Table 2. Analysis of Oral Presentations by First Author Career Stage

	To	tal	Stu	Student		Early Career		Mid-Career		Experienced		Retired	
Total Abstracts	313	348	72	7275		11293		7913		38	85		
7100174010	F	М	F	M	F	M	F	М	F	М	F	M	
	9424	21924	3017	4258	3880	7413	1808	6105	584	3554	10	75	
	30%	70%	41%	59%	34%	66%	23%	77%	14%	86%	12%	88%	
Assigned Oral	3874	9759	869	1173	1633	3080	960	3138	340	2064	3	38	
Assigned Oral %	41.1%	44.5%	28.8%	27.5%	42.1%	41.5%	53.1%	51.4%	58.2%	58.1%	30.0%	50.7%	
mean	1.59	1.55	1.71	1.72	1.58	1.58	1.47	1.49	1.42	1.42	1.70	1.49	
std	0.492	0.485	0.453	0.447	0.494	0.493	0.499	0.500	0.494	0.494	0.483	0.503	
χ2	31	.1	1.3	38	0.3	0.304		1.61		0.00430		1.51	
p-value	<0.	001	0.:	24	0.581		0.205		0.948		0.219		

Supplementary Table 3. Analysis of Invited Authors, Authors Assigned Oral Presentation and Authors Opting for "Poster Only" Presentations by Sections. Due to the relatively small numbers within each Section, the absolute numbers are not provided in order to maintain anonymity.

Rate Difference Between Women and Men (Women - Men)

	Nate Billerence Between Weller and Well (Weller Well)									
Sections	Proportion of Women	Invited Authors	Assigned Oral Presentation	Authors Opting for "Poster Only" Presentations						
Atmospheric and Space Electricity	16%	-0.9%	-4.8%	11.3%						
Atmospheric Sciences	32%	-5.1%	10.6%	3.1%						
Biogeosciences	41%	-3.9%	3.2%	3.7%						
Cryosphere	31%	-0.9%	-1.2%	5.0%						
Earth and Planetary Surface Processes	33%	-0.1%	-1.5%	3.8%						
Earth and Space Science Informatics	26%	-2.4%	-1.3%	4.2%						
Education	53%	1.3%	2.9%	3.6%						
Geodesy	25%	-2.3%	6.5%	2.3%						
Geomagnetism, Paleomagnetism and Electromagnetism	27%	-3.9%	-8.1%	14.4%						
Global Environmental Change	34%	-5.8%	8.1%	9.9%						
Hydrology	30%	-3.4%	3.8%	6.1%						
Mineral and Rock Physics	29%	-1.1%	-1.5%	10.8%						
Natural Hazards	30%	-5.7%	10.6%	6.0%						
Near Surface Geophysics	25%	-0.8%	5.3%	-1.4%						
Nonlinear Geophysics	19%	-2.9%	4.0%	11.5%						
Ocean Sciences	33%	-2.4%	5.1%	8.7%						
Paleoceanography and Paleoclimatology	41%	-1.6%	0.9%	8.3%						
Planetary Sciences	28%	0.3%	-2.5%	7.4%						
Public Affairs	42%	-5.2%	-0.4%	3.4%						
Seismology	28%	-0.5%	-1.0%	6.8%						
Space Physics & Aeronomy	23%	-2.0%	3.5%	5.2%						
Study of Earth's Deep Interior	31%	1.9%	-2.9%	5.3%						
Tectonophysics	30%	-2.8%	2.1%	4.1%						
Union	31%	-1.0%	-	-						
Volcanology, Geochemistry and Petrology	35%	-2.0%	1.7%	5.6%						
	r	0.02	0.12	-0.29						
	df	23	22	22						
	p-value	0.92	0.57	0.18						

Supplementary Table 4. Analysis of Primary Convener Allocation of Invited Authors by First Author Career Stage

	To	otal	FA Student		FA Early Career		FA Mid- Career		FA Experienced		FA Retired	
Total	70	лаі	TA SI	uueni	Ourcei		Garcor		Lxperi	iericeu	TARcurca	
Abstracts	7442		314		2336		2818		17	33	2	24
Female Primary	0004	200/	0.7	200/	005	200/	700	200/	447	260/		200/
Convener	2081	28%	87	28%	695	30%	790	28%	447	26%	9	38%
	F	M	F	M	F	M	F	М	F	M	F	M
Invited Authors	716	1365	38	49	309	386	258	532	93	354	2	7
Invited Authors %	34%	66%	44%	56%	44%	56%	33%	67%	21%	79%	22%	78%
mean	0.656		0.563		0.555		0.6	673	0.792		0.778	
std	0.475		0.499		0.4	197	0.4	169	0.4	106	0.4	441
Male Primary Convener	5361	72%	227	72%	1641	70%	2028	72%	1286	74%	15	63%
	F	М	F	М	F	М	F	М	F	М	F	М
Invited Authors	1302	4059	86	141	542	1099	458	1570	186	1100	0	15
Invited Authors %	24%	76%	38%	62%	33%	67%	23%	77%	14%	86%	0%	100%
mean	0.757		0.6	621	0.6	670	0.7	774	8.0	355	1.	.00
std	0.4	129	0.4	186	0.4	170	0.4	118	0.352		0.	000
χ2	77	7.7	0.8	883	27	7.6	30.4		9.88		3.64	
p-value	<0.	001	0.347		<0.001		<0.001		0.002		0.057	

Supplementary Table 5. Analysis of Primary Convener Allocation of Oral Presentations by First Author Career Stage

	Total		FA Student		FA Early Career		FA Mid- Career		FA Experienced		FA Retired	
Total	10	lai	TA 3	uueni	Oarcci		Odreci		Experienced		TATCUICU	
Abstracts	175	553	5187		6519		3784		1713		44	
Female Primary												
Convener	4665	27%	1357	26%	1749	27%	1023	27%	448	26%	14	32%
	F	М	F	М	F	М	F	М	F	М	F	М
Assigned Authors	1733	2932	610	747	708	1041	307	716	90	358	2	12
Assigned Authors %	37%	63%	45%	55%	40%	60%	30%	70%	20%	80%	14%	86%
mean	0.629		0.550		0.5	0.595		700	0.799		0.857	
std	0.483		0.498		0.491		0.4	159	0.401		0.3	63
Male Primary Convener	12888	73%	3830	74%	4770	73%	2761	73%	1265	74%	30	68%
	F	М	F	М	F	М	F	М	F	М	F	М
Assigned Authors	3769	9119	1521	2309	1519	3251	532	2229	152	1113	5	25
Assigned Authors %	29%	71%	40%	60%	32%	68%	19%	81%	12%	88%	17%	83%
mean	0.7	80	0.6	603	0.6	882	0.6	307	3.0	380	0.8	333
std	0.4	55	0.4	189	0.4	166	0.3	394	0.3	325	0.3	379
χ2	99	.5	11	1.4	42.4		49.9		17.8		0.0404	
p-value	<0.0	001	0.0	001	<0.001		<0.001		<0.001		0.841	

Supplementary Table 6. Analysis of Primary Convener Allocation of Invited Authors by Primary Convener Career Stage

| PC Early | PC Mid- | PC |

-			PC Early		PC Mid-		PC			
	PC Si	tudent	Cai	reer	Ca	reer	Exper	ienced	PC Retired	
Total Abstracts	21	58	3068		2580		1217		67	
Female	٥,	JO	3000		2300		12.17		07	
Primary										
Convener	164	46%	1069	35%	533	21%	257	21%	27	40%
Invited	F	М	F	М	F	M	F	М	F	M
Authors	61	103	358	711	184	349	91	166	8	19
Invited Authors %	37%	63%	33%	67%	35%	65%	35%	65%	30%	70%
			0.665		0.0	0.655		240	0 -	
mean	0.628		0.6	005	0.6	555	0.6	646	0.7	704
std	0.485		0.4	172	0.4	176	0.479		0.4	165
Male Primary										
Convener	194	54%	1999	65%	2047	79%	960	79%	40	60%
	F	М	F	М	F	М	F	М	F	M
Invited Authors	58	136	497	1502	509	1538	192	768	13	27
Invited Authors %	30%	70%	25%	75%	25%	75%	20%	80%	33%	68%
Authors %	30%	70%	25%	75%	25%	75%	20%	60%	33%	00%
mean	0.7	701	0.7	751	0.7	751	3.0	300	0.6	375
std	0.4	159	0.4	132	0.4	132	0.4	100	0.474	
χ2	2.	13	25	5.8	20.1		27.0		0.0617	
p-value	0.1	144	<0.001		<0.001		<0.	001	0.804	

Supplementary Table 7. Analysis of Primary Convener Allocation of Oral Presentations by Primary Convener Career Stage

-			PC Early		_	Mid-	PC			
	PC St	tudent	Cai	reer	Cai	reer	Exper	ienced	PC R	etired
Total Abstracts	70	0.5	7717		50	21	25	98	1.	18
Female	785		7717		5921		20	90	I	10
Primary										
Convener	339	43%	2471	32%	1228	21%	503	19%	38	32%
	F	М	F	М	F	М	F	М	F	М
Assigned										
Authors	142	197	904	1567	447	781	197	306	12	26
Assigned										
Authors %	42%	58%	37%	63%	36%	64%	39%	61%	32%	68%
mean	0.581		0.6	34	0.6	36	0.6	808	0.6	84
std	0.494		0.4	182	0.4	l81	0.4	189	0.4	71
Male Primary										
Convener	446	57%	5246	68%	4693	79%	2095	81%	80	68%
	F	М	F	М	F	М	F	М	F	М
Assigned										
Authors	122	324	1599	3647	1359	3334	565	1530	20	60
Assigned										
Authors %	27%	73%	30%	70%	29%	71%	27%	73%	25%	75%
mean	0.7	'26	0.6	95	0.7	' 10	0.7	' 30	0.7	'50
std	0.4	46	0.4	160	0.4	154	0.4	144	0.4	36
χ2	18	3.2	28	3.6	25.4		29.1		0.564	
p-value	<0.	001	<0.001		<0.001		<0.	001	0.453	

Supplementary Table 8. Analysis of Poster Only Selection by First Author by Career Stage

	Total		Student		Early Career		Mid-Career		Experienced		Retired	
Total Abstracts	43515		12660		15039		9982		4903		100	
	F	М	F	М	F	М	F	М	F	М	F	М
	13784	29731	5386	7274	5130	9909	2323	7659	735	4168	13	87
	32%	68%	43%	57%	34%	66%	23%	77%	15%	85%	13%	87%
Poster Only Poster Only	4360	7807	2369	3016	1250	2496	515	1554	151	614	3	12
% «	32%	26%	44%	41%	24%	25%	22%	20%	21%	15%	23%	14%
mean	1.32	1.26	1.44	1.41	1.24	1.25	1.22	1.20	1.21	1.15	1.23	1.14
std	0.465	0.440	0.496	0.493	0.429	0.434	0.415	0.402	0.404	0.354	0.439	0.347
χ2	135		8.05		1.22		3.83		16.0		0.765	
p-value	<0.001		0.005		0.269		0.050		<0.001		0.382	