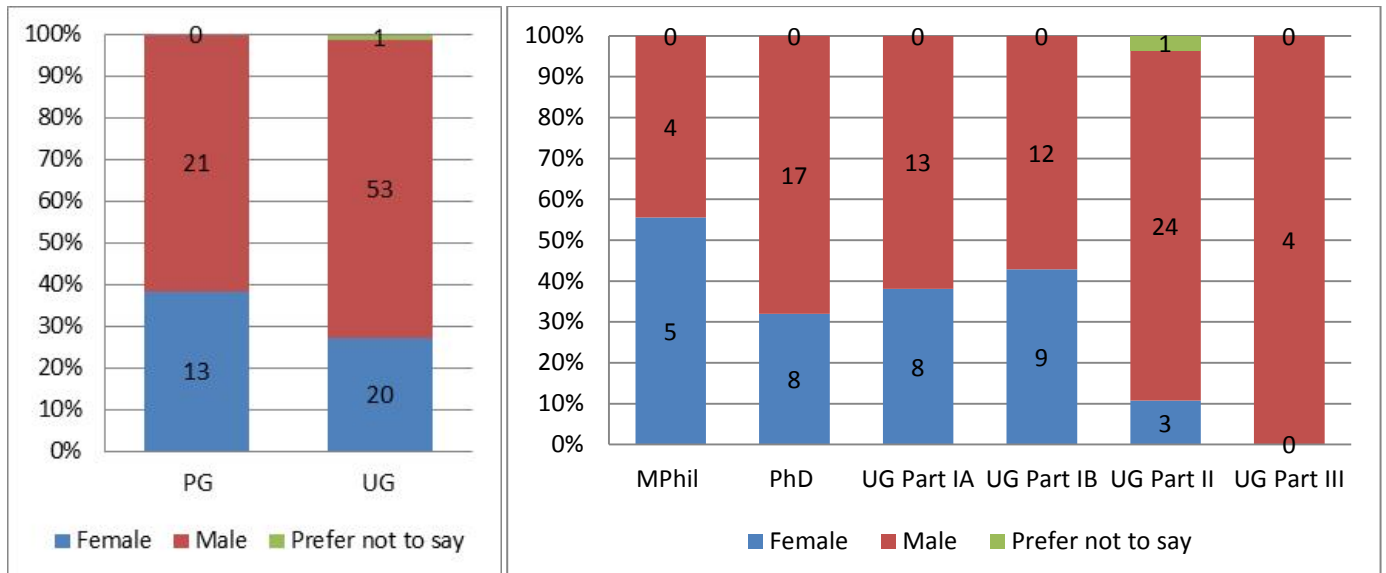


# Analysis of Computer Laboratory Equality and Diversity student survey by gender and student group (March 2017)

## Q1: Demographics

- Response rate 24% (108/448 Undergraduate and Postgraduate students)
- Female 31% (number=33), Male 69% (number=74), Prefer not to say (number=1)
- % of replies from registered students - Female 42% response (33/78), Male 20% response (74/370)



## Undergraduate (UG) vs postgraduate (PG) by gender

**Q4a-4f: About your confidence to speak up in class, groups, or public talks presenting your work (with Not Applicable removed and % recalculated)**

**Q4a: I am comfortable asking questions or sharing my opinions in lectures**

	Strongly agree/agree		Strongly disagree/disagree	
	Female	Male	Female	Male
PG	92	88	0	6
UG	15	38	70	38

**Q4b: I am comfortable asking questions or sharing my opinions in supervisions**

	Strongly agree/agree	
	Female	Male
PG	100	100
UG	80	98

**Q4c: I am comfortable asking question or sharing my opinions with my research group**

	Strongly agree/agree	
	Female	Male
PG	92	95
UG	N/A	N/A

**Q4d: I am comfortable giving a talk about my work in my Department**

Q4d	Strongly agree/agree		Strongly disagree/disagree	
	Female	Male	Female	Male
PG	62	76	15	5
UG	25	72	50	10

**Q4e: I am comfortable giving a talk about my work outside of the Department**

	Strongly agree/agree		Strongly disagree/disagree	
	Female	Male	Female	Male
PG	54	67	23	10
UG	56	72	44	14

**Q4f: I am comfortable sharing my opinions with my peers**

	Strongly agree/agree		Strongly disagree/disagree	
	Female	Male	Female	Male
PG	92	100	0	0
UG	70*	92	5	2

\* Remainder uncertain

**Q5: I feel I am treated fairly in the Computer Laboratory (tick all that apply)**

	In lectures	
	Female	Male
PG	77	90
UG	95	92

	In supervisions	
	Female	Male
PG	46	71
UG	85	98

	In my research group	
	Female	Male
PG	92	86
UG	N/A	N/A

	In my department	
	Female	Male
PG	85	90
UG	50	57

	By my peers	
	Female	Male
PG	85	90
UG	95	94

**Q6: About the organisation of different activities. Tick all that you feel are provided in a manner that is accessible and fair to all students**

	Lectures	
	Female	Male
PG	85	95
UG	80	91

	Supervisions	
	Female	Male
PG	77	86
UG	90	89

	Research activities	
	Female	Male
PG	92	86
UG	15	49

	Written exams	
	Female	Male
PG	62	76
UG	70	81

	Oral exams	
	Female	Male
PG	62	71
UG	35	57

**Q8a-8d: How helpful would you find the following for boosting your confidence to raise questions or share your opinions in class/supervisions/research group, or to give talks about your work.**

**Q8a: Regular feedback from your supervisor**

	Very helpful/helpful	
	Female	Male
PG	92	95
UG	90	83

**Q8b: A speech and presentation skills workshop with public speaking experts to improve your speaking and presentation skills**

	Very helpful/helpful	
	Female	Male
PG	92	45*
UG	53	51*

\* Men more likely to be ambivalent (neither helpful or unhelpful)

**Q8c: More informal opportunities to present your work to academic staff (N/As removed)**

	Very helpful/helpful	
	Female	Male
PG	67	81
UG	60**	77

\*\*20% of female undergraduates would find this unhelpful/very unhelpful

\*\*20% of female undergraduates would find this neither helpful nor unhelpful

**Q8d: Option to have a supervisor of the same gender (N/As removed)**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	40**	0***	20	19
UG	40*	6****	20	25

\*30% of female undergraduates would find this neither helpful or unhelpful

\*\* 60% of female postgraduates would find this neither helpful or unhelpful

\*\*\* 81% of male postgraduates would find this neither helpful or unhelpful

\*\*\*\* 69% of male undergraduates would find this neither helpful or unhelpful

**Q9: How helpful do you find the following for boosting your confidence to raise questions or share your opinions in class/supervisions/research group, or to give talks about your work?**

**Q9a: Academic support and advice from your Director of Studies**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	100	70	0	0
UG	70	75	0	6

**Q9b: MPhil Course Adviser**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	100	71	0	0
UG	N/A	N/A	N/A	N/A

**Q9c: PhD Graduate Adviser**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	88	78	0	0
UG	N/A	N/A	N/A	N/A

**Q9d: College Tutor**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	40	46	10	8
UG	28	33	33	14

**Q11a-11b: About the Computer Lab celebrating/recognising your work. Please indicate your agreement with the following statement on a scale of 1 to 5.**

**Q11a: My work is recognised and appreciated in the Computer Lab.**

	Strongly agree/agree	
	Female	Male
PG	62	57
UG	11*	53**

\* 67% female undergraduates uncertain \*\* 38% male undergraduates uncertain

**Q11b: I have opportunities in the Computer Lab to showcase my work/research.**

	Strongly agree/agree	
	Female	Male
PG	69	76
UG	14*	60

\*\* 57% female undergraduates strongly disagree/disagree

**Q12: How helpful would you find the following for recognising your contribution?**

**Q12a: Organise poster/talk/coding competitions with prizes to celebrate winners**

	Strongly agree/agree	
	Female	Male
PG	83	62
UG	60	61

**Q12b: Achievement highlights on the Departmental website, display boards and elsewhere.**

	Strongly agree/agree		Strongly disagree/disagree	
	Female	Male	Female	Male
PG	85	57	0	10
UG	71	66	0	0

**Q12c: An opportunity to give a talk to the entire Computer Lab**

	Strongly agree/agree		Strongly disagree/disagree	
	Female	Male	Female	Male
PG	62	71	0	5
UG	42	58	33	5

**Q12d: Organise public engagement/outreach talks that you would be able to take part in.**

	Strongly agree/agree	
	Female	Male
PG	75	71
UG	63*	62*

\*Remainder mostly ambivalent

**Q14: Please tick all the options that best reflect your experience or opinion about the following statements: I believe that the Computer Lab promotes...**

**Q14a: Both women and men as visible role models**

	Strongly agree/agree	
	Female	Male
PG	62	76
UG	15	43

**Q14b: Only men as visible role models**

	Strongly agree/agree	
	Female	Male
PG	0	0
UG	10	2

**Q14c: Only women as visible role models**

	Strongly agree/agree	
	Female	Male
PG	0	0
UG	5	0

**Q14d: Too few men as visible role models**

	Strongly agree/agree	
	Female	Male
PG	0	5
UG	0	0

**Q14e: Too few visible role models, both male and female**

	Strongly agree/agree	
	Female	Male
PG	15	5
UG	55	34

**Q14f: Too few visible role models, both male and female**

	Strongly agree/agree	
	Female	Male
PG	23	14
UG	15	21

**Q15: How approachable have you found members of the Computer Lab's research groups?**

**Q15a: Artificial Intelligence**

	Very accessible	
	Female	Male
PG	75	75
UG	0	43

**Q15b: Computer Architecture**

	Very accessible	
	Female	Male
PG	60	73
UG	40	68

**Q15c: Digital Technology**

	Very accessible	
	Female	Male
PG	71	92
UG	0	70

**Q15d: Graphics and Interaction**

	Very accessible	
	Female	Male
PG	75	63
UG	67	63

**Q15e: Natural Language and Information Processing**

	Very accessible	
	Female	Male
PG	88	54
UG	20	55

**Q15f: Programming, Logic and Semantics**

	Very accessible	
	Female	Male
PG	75	50
UG	40	57

**Q15g: Security**

	Very accessible	
	Female	Male
PG	86	62
UG	50	55

**Q15h: Systems**

	Very accessible	
	Female	Male
PG	67	77
UG	25	47

**Q17: Please indicate your agreement with the following statements on a scale of 1-5**

**Q17a: I have sufficient opportunities to engage with role models from the Computer Lab that I can identify with**

	Strongly agree/agree	
	Female	Male
PG	62	57
UG	29*	57

\*47% of female undergraduates disagree/strongly disagree

**Q17b: I have sufficient opportunities to engage with role models from academia outside my Department that I can identify with.**

	Strongly agree/agree		Strongly disagree/disagree		Uncertain	
	Female	Male	Female	Male	Female	Male
PG	46	38	23	33	31	29
UG	12	39	41	30	47	31

**Q17c: I have sufficient opportunities to engage with role models from industry that I can identify with.**

	Strongly agree/agree		Strongly disagree/disagree	
	Female	Male	Female	Male
PG	38	43	23	29
UG	38	39	38	30

**Q19: Please indicate on a scale of 1 to 5 how helpful you would find the following for showcasing role models in the Computer Lab.**

**Q19a: More speakers from under-represented groups (e.g., women, minorities) at seminar series.**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	85	47	0	16
UG	65	44	0	10

**Q19b: More lecturers/supervisors from under-represented groups (e.g., women, minorities)**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	75	33	0	17
UG	75	52	0	10



**Q19c: More people from under-represented groups (e.g., women, minorities) in senior roles.**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	75	33	0	19
UG	70	52	5	8

**Q20a-20f: Please indicate on a scale of 1 to 5 how helpful you would find the following for redressing unconscious bias**

**Q20a: Unconscious bias workshop**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	75	56	0	11
UG	65	48	10	17

**Q20b: Visible celebrations of the achievements of women**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	46	60	8	10
UG	70	56	20	12

**Q20c: Make the statistics about exam results and achievements by gender more publicly visible.**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	17	20	8	45
UG	15	35	40	29

**Q20d: More emphasis in lectures on women computer scientists who have made significant contributions to computing and who are currently leading in key areas of research and innovation.**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	46	25	15	20
UG	75	42	10	12

**Q20e: Gender specific career development advice and support**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	31	33	31	22
UG	50	23	20	23

**Q20f: Nothing, because the work of women speaks for itself and any direct action only perpetuates the issue.**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	64	53	9	21
UG	33	47	50	27

**Q22a-22d: How helpful you think the following actions would be to increase the number of female Computer Science students in the Computer Lab?**

**Q22a: Outreach activities at schools**

	Very helpful/helpful	
	Female	Male
PG	100	100
UG	89	94

**Q22b: Running computer science clubs at schools**

	Very helpful/helpful	
	Female	Male
PG	100	90
UG	95	100

**Q22c: Running a summer school at the Computer Lab for school children**

	Very helpful/helpful	
	Female	Male
PG	100	95
UG	95	94

**Q22d: Publicly promoting that the Computer Lab takes gender issues seriously and would welcome more women applicants**

	Very helpful/helpful		Very unhelpful/unhelpful	
	Female	Male	Female	Male
PG	54	67	23	5
UG	55	67	10	10

**Q25: During your time in the Computer Lab, have you experienced a situation where you felt uncomfortable because of your gender (please tick the option that best reflects your experiences)**

