Presentation #2: case study

- **<u>Motivation</u>**: we will try to apply our knowledge of surface characterization techniques to real systems.

- Your group will be given a hypothetical system to analyze.
- You will need to propose a set of experimental techniques to solve the problem and propose a possible outcome

<u>NEW!!!</u>
- **<u>Format</u>**: 10 minute presentation followed by ~20 minute discussion. Use $\leq$ 7-8 slides, you are encouraged to use the board. You will be evaluated based on your presentation and contributions to the discussion (equations, comments, etc.)

    More details will be provided later…

14

Presentation #2

- You will receive 5 case studies
- Your group will choose one to examine

- Group structure and functions:
    - Presenter (1)
    - "Peer evaluators" (2-3)
    - "Defenders" (2-3)

This presentation contributes 5% of the total grade
- Each group receives average grade based on the team work which will be corrected on individual basis
- Each member of the group has 0.5*5 to give to the group members

15

Examples

						Average	
Group Average	4.5						
Student A	0.5	1	1	1		0.875	4.875
Student B	0.5	0.5	0.5		0.5	0.5	4.5
Student C	1	0.5		0.5	1	0.75	4.75
Student D	0.5		0.5	0.5	0.5	0.5	4.5
Student E		0.5	0.5	0.5	0.5	0.5	4.5

						Average	
Group Average	4.2						
Student A	0.5	1	1.5	1.5		1.125	4.825
Student B	0.5	0.5	0.5		0.5	0.5	4.2
Student C	1.5	0.5		0.5	1	0.875	4.575
Student D	0		0	0.5	0.5	0.25	3.95
Student E		0.5	0.5	0	0.5	0.375	4.075

16

Group composition

A	B	C
Leena		
Nafiseh		
Bahareh		
Sara		
Maxwell		
	Ryan	
	Shannon	
	Renjie	
	Jun	
	Nazhen	
		Taylor
		Daniel
		Thomas
		Mohammadali
		Nastaran

17

2