Presenting ScienceOral presentations - Part I

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Where innovation starts

Conferences

- Why do you go?
 - to learn about my field
 - to share and discuss my work
 - to meet the people in my field

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Conferences

What is your experience ?

while I heard some excellent lectures, and had some really useful discussions,

- many presentations were difficult to follow
- some were poorly presented, or boring
- I didn't have the background to appreciate the relevance of the work
 I was overwhelmed by the amount of information in the poster session



Conferences

Why don't we get more out of a conference, a department seminar, a graduation talk, etc.? CatalysisCourse.com



General Principle:

My Message

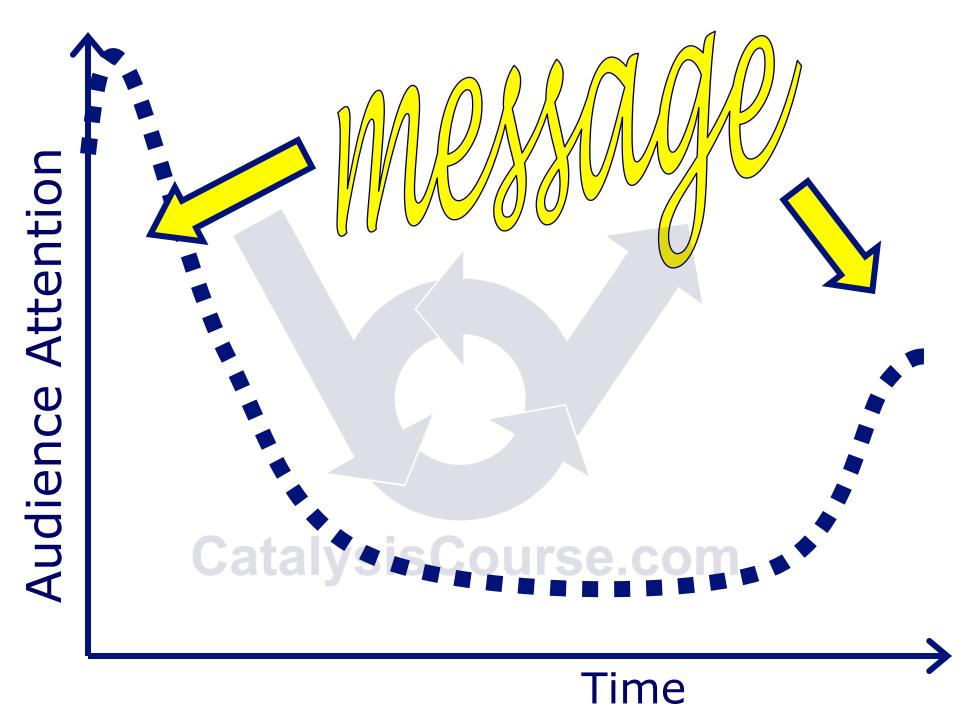
- clear
- relevant
- in context
- repeated
- visual

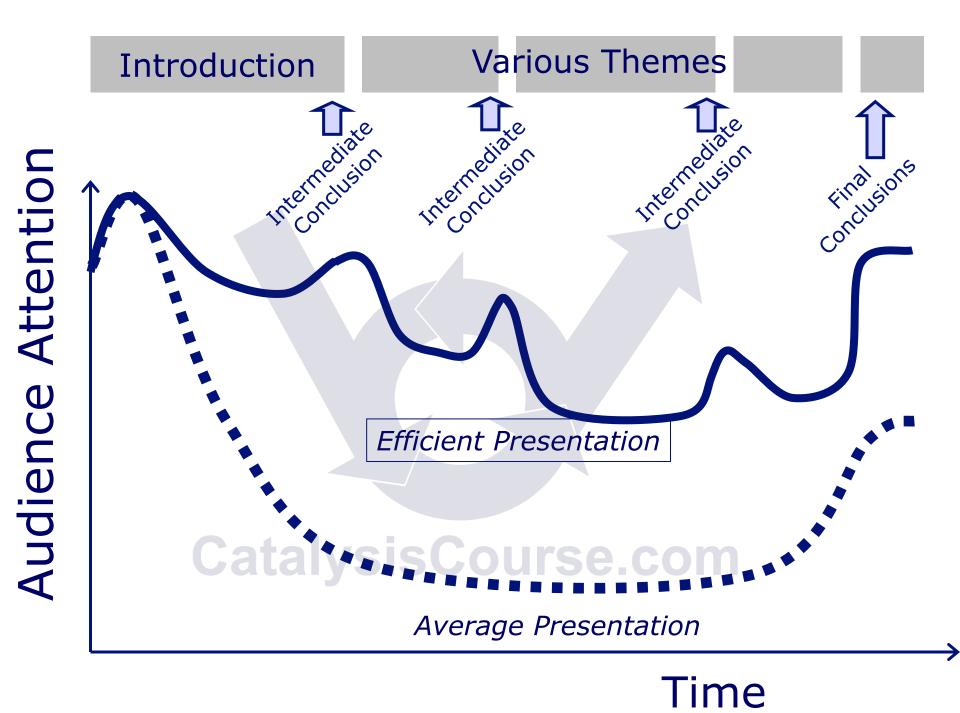
The Audience

Iimited attention span
Iimited background
easily distracted
Iikes visual information

sual CatalysisCourse.com







Components of Presentation

- Spoken words
- Visual Aids
- Non-verbal modifyers
 - intonation, sound,
 - body language
- Audience response
 - questions, interruptions
 - non-verbal messages
- Environment



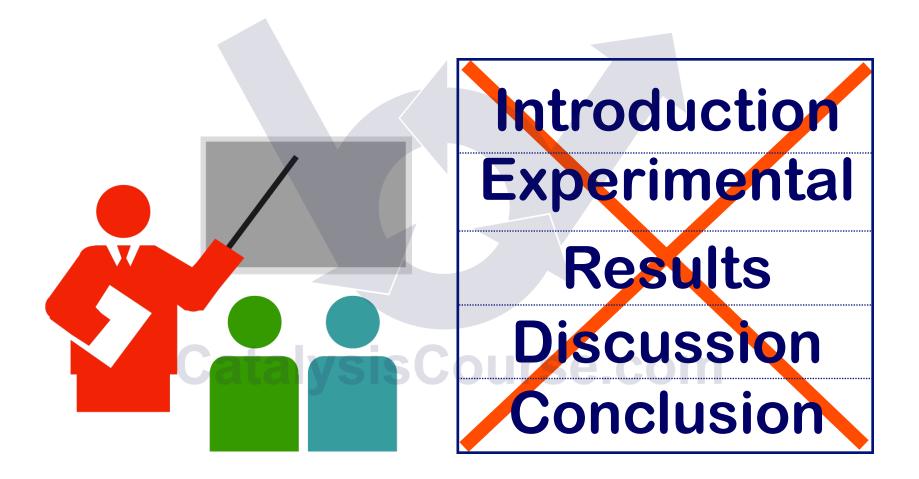
the speaker overestimates the audience

the audience knows a lot less about your subject than your supervisor does ...

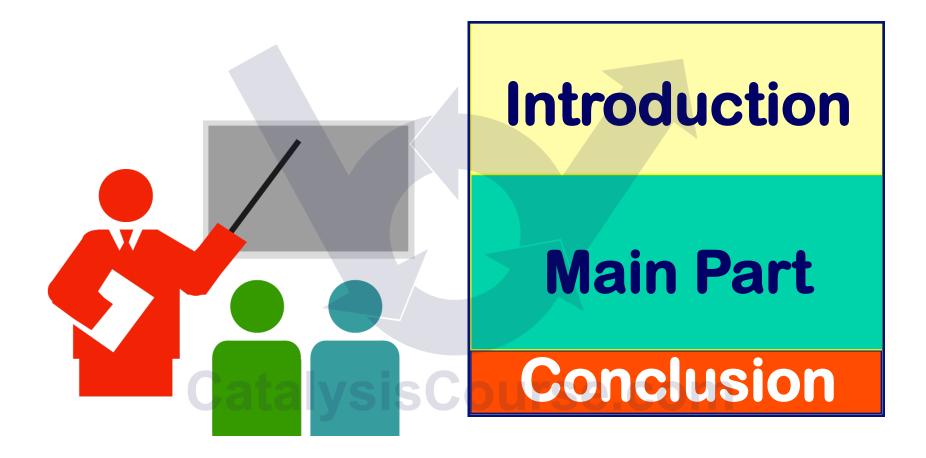
lack of clear structure

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The Best Outline for a Talk is *not:*



The Best Outline for a Talk:

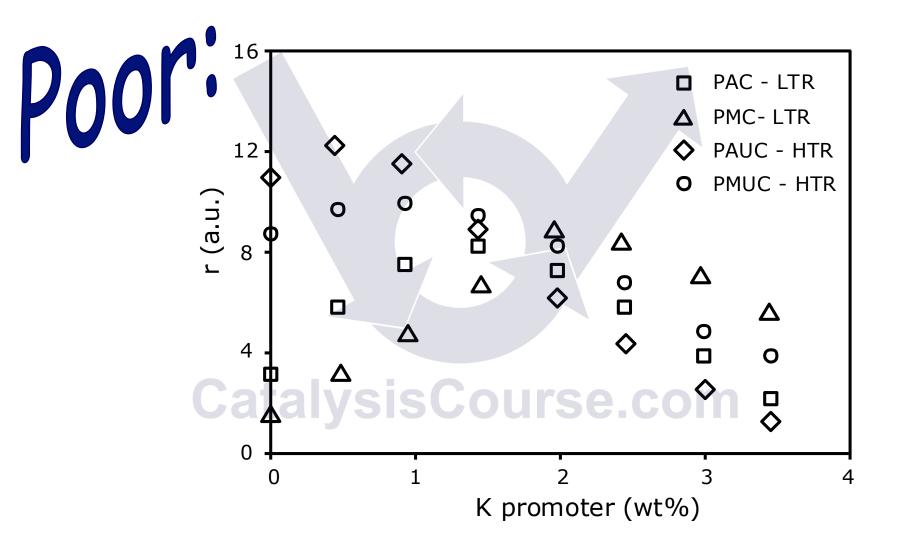


Abuse of Powerpoint

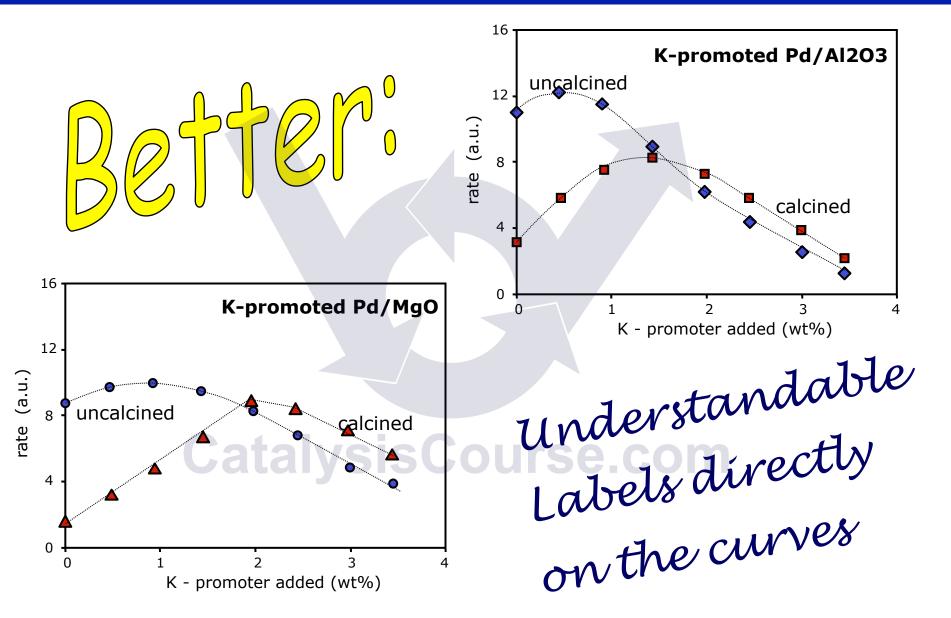


inefficient figures

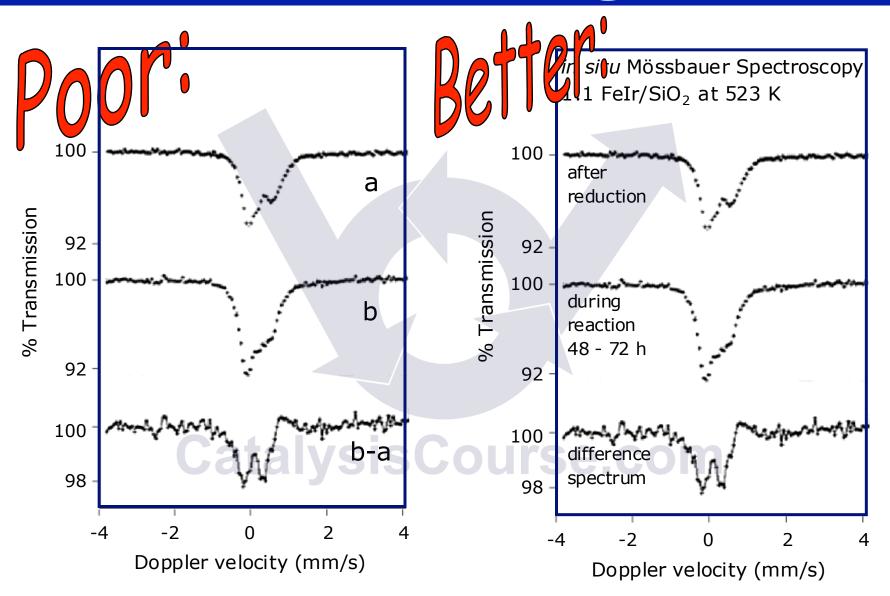
Inefficient figures

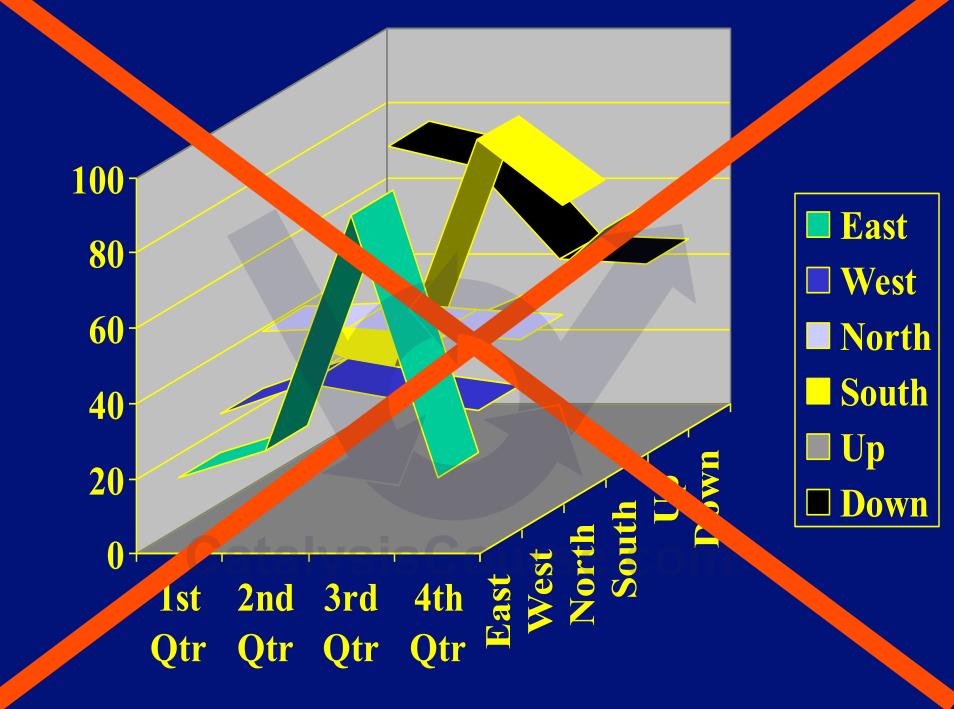


Inefficient figures



Inefficient figures





uilibrium geometry and orbital occupation for several nCO/Rh₁₃(9,4) systems (n=16); zc and dco are the Rh-C and the C-O distances in angstrom, $n(5\sigma)$ and $n(2\pi)$ at the number of electrons in the 5σ and 2π * orbitals of CO, respectively.

	zc(Å)	dco(Å)	n(5σ)	n(2 π)
CO/Rh ₁₃ (9,4)				
Top-center	1.842	1.159	1.59	0.68
Top 1	1.825	161	1.57	0.65
Top 2	1.824	1.h	1.58	0.66
Top 3	1.814	1.161	(* 65	0
Bridge	1.465	1.178		J.87
hcp	1.330	1.192	1.22	1.05
fcc	1.306	1.191		93
2CO/Rh ₁₃ (9,4)				
hcp	1.352	.188	1.35	0 94
fcc	1.350	1 86	1 55	1. V.
6CO/Rh ₁₃ (9,4)	1.042	1152	1 (01	
Top 1	1.843	1.153	1.60	0 50
Top 2	1.871			
Top 3	1.825			0.57
her	1.339	1.185	1.39	0.91
.c	1.339	1.188	1.39	0. 1

- Language:
- long, complicated sentences
- jargon, abbreviations
- report language

Speech:

- monotonous
- little variation in 'speed'
- no emphasis
- too fast
- towards screen, away from audience

But how then?

See the next video: In ten steps to an excellent presentation

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