Presenting Science

Oral presentations – Part II

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Where innovation starts



weeks - months ...

Capture the message in one Catalysis Course.com Sentence



4 strong opening

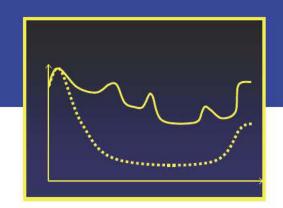
Not: I am Jim Speaker from and my title of TODAY is



informative introduction catalysis course com

at least 30% of presentation

Introduction



- Attention Getter
 - Rhetorical Question
 - Startling Statement, Case Story, Statistics
 - Humor (Careful!!!)
- State Significance
- Establish Credibility
- Main Message
- Preview of the contents (meaningful)

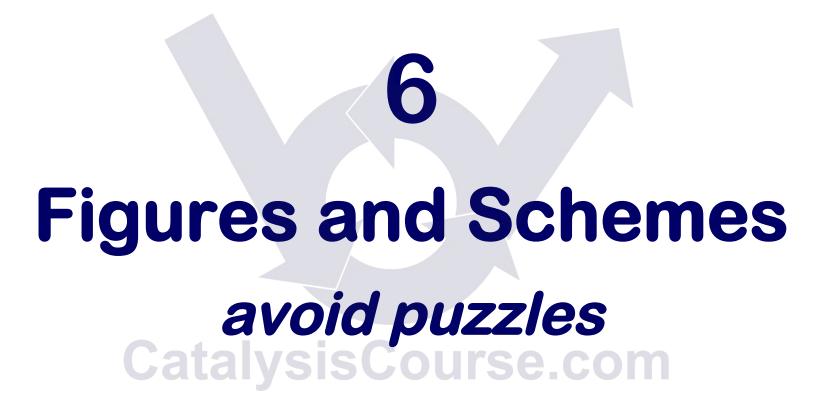
Write it out word for word (right language!)



Conclusions

- Review:
 - why
 - how
 - main results & conclusions
- Message
- Acknowledgements
- Final Sentence: Repeat the Message Catalysis Course Com

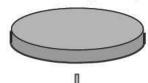
Write it out word for word (right language!)





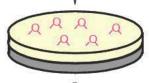
Model catalyst preparation

Schuit Institute of Catalysis



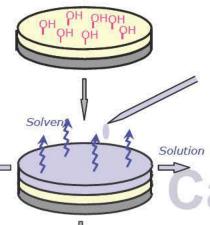
Si (100)





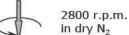
amorphous SiO2 with surface siloxanes

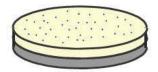
- 1. H₂O₂ / NH₄OH (65°C) 2. boiling H₂O (rehydroxylation!!)



hydrophilic SiO2 surface with silanol-groups (4-5 OH/nm²)

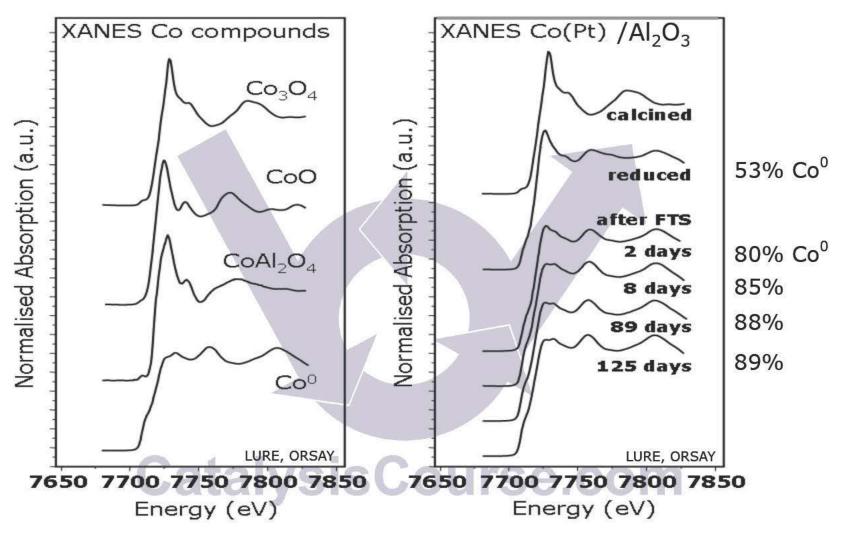
Spincoat-impregnation with aqueous solutions chromic acid in water OUISE COM





Supported "oxides"

XANES Spectra of Cobalt Fischer-Tropsch Catalysts



No oxidation of Co, instead reduction of unreduced cobalt

A.M. Saib, A. Borgna, J. van de Loosdrecht, P.J. van Berge, J.W. Niemantsverdriet Appl. Catal. A: General 312 (2006) 12

Use High-Quality Illustrations

• Careful with graphics programs (Excel, Powerpoint, OpenOffice, etc.)

- Meaningful labels on curves, and not in legends
- Include 'as-measured' data
- Informative headers, key words, conclusions

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Don't Overdo It!!

□ Publications

X Full Articles

X Letters

X Reviews

X Letters to the Editor

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Presenting Science

Presentations at Meetings

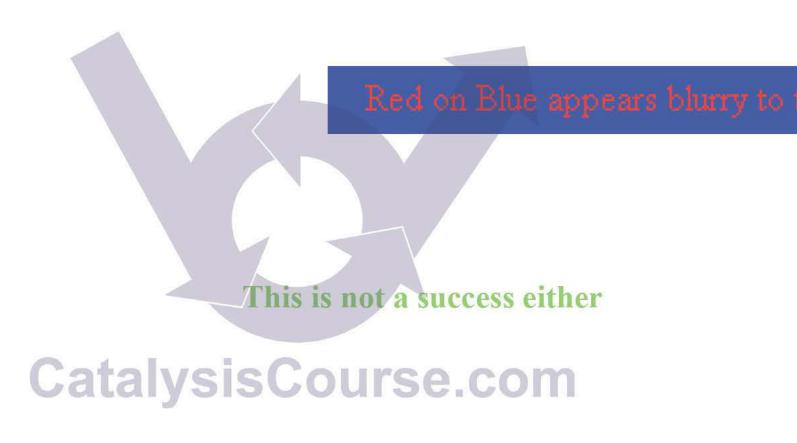
- Oral Contributions
 - Invited Talks
 - Normal Contributions
- Posters

Publications

- Full Articles
- Letters
- Reviews
- Letters to the Editor



Yellow on white is hard to read



This is not recommended

text on a structured background

may look fancy and attractive at first sight

but is hard to read in a large lecture theater

even if you use large, black lettering

This is acceptable

bright yellow or white on the darkest possible blue

but be careful with other colors

red, grey, green, orange, brown, blue

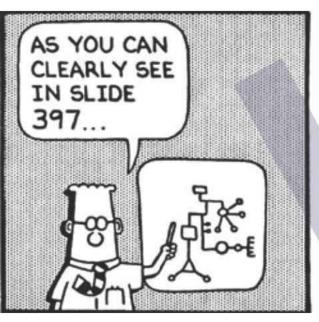
are much less clear

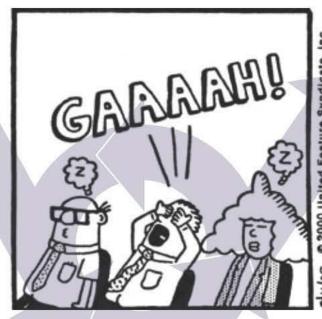
This is quite clear!

nothing wrong

with black letters
CatalysisCourse.com
on a white background

Not too many slides please







www.dilbert.com

~ 1-2 per minute

Use everyday language

communication se.com in stead of performance



Too much material: skip some items in the middle NEVER compromize on Introduction and Conclusions

Timing



Avoid loosing time in the beginning:

- · don't repeat what the chairman said
- write out your start in short powerful sentences and rehearse them several times



Feel free

to develop your own style

(avoid article structure!)

.....but always build your talk around a clear message for a specific audience

success!

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