

What is this talk about?

- I struggled to differentiate this talk from what will be discussed during the ISNIE Annual General Meeting
- I decided to focus on DENIM, and how it has evolved, and not on the (slightly – for now anyway) more general scope of the ISNIE
- I found it difficult to separate how I feel personally about DENIM from what DENIM is and means to the entire community
- I decided to embrace this, and use a personal hobby photography to illustrate both my personal view toward as well as show how the community as a whole has developed



An Illustrative Anecdote

- After the first DENIM ended, Leigh Perrot sent me an e-mail
- He said that he saw me with a camera the entire time, and could I send him some photos with people in them for the website

 I went through the photos I took, only to discover that I did not have any photos with

people in them









 Most of the photos I took during the first DENIM were of Formula One Cars











- I hosted DENIM 2013, and did not take any photos
- Jen Martin, an ORNL / SNS photographer, took photos during the event
- She included people in her photos















 Ironically, DENIM 2013 was remembered for photography

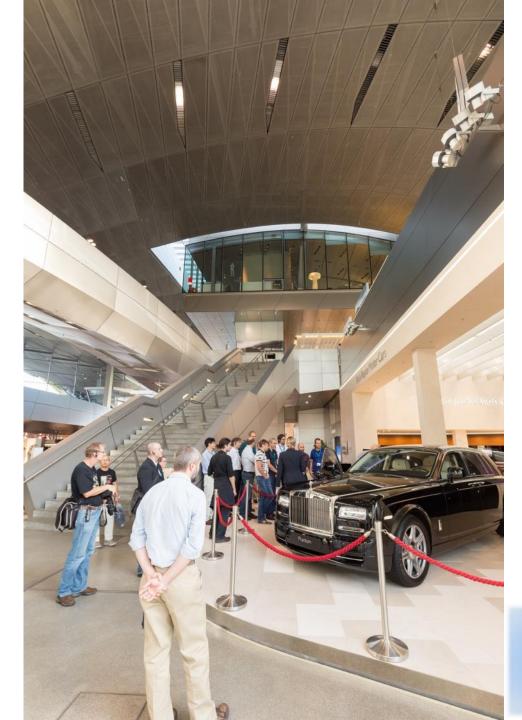


Not the actual photo of "the photography event"

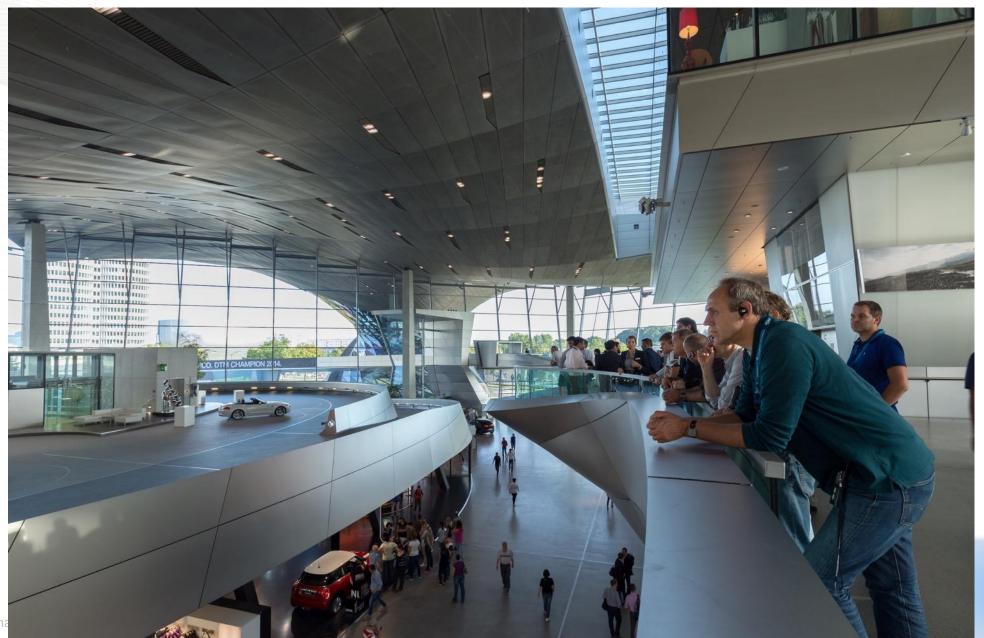




- In Garching and Munich, I find myself taking photos of cars again, but now there are people in the photographs as well
- The DENIM community is also really beginning to gel
- Nick Frost gives a talk about surveying DENIM members about airpads, and incorporating the results of his survey into his design









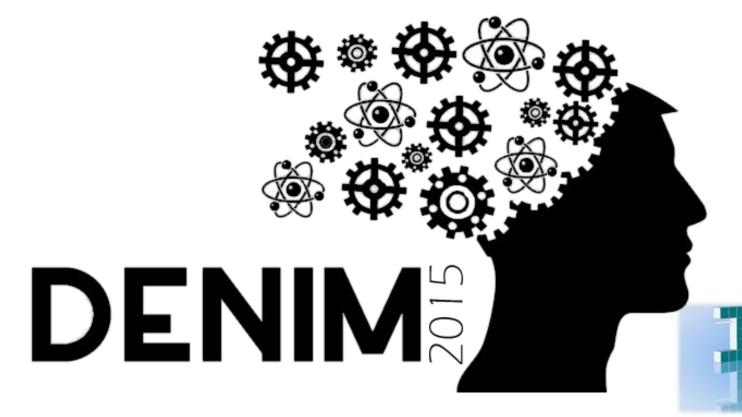






Budapest





The weekend before DENIM 2015, I am taking photos of Formula

One cars again



- By DENIM 2015, there is no question that we are a real community
- I find myself taking photos of people more and more















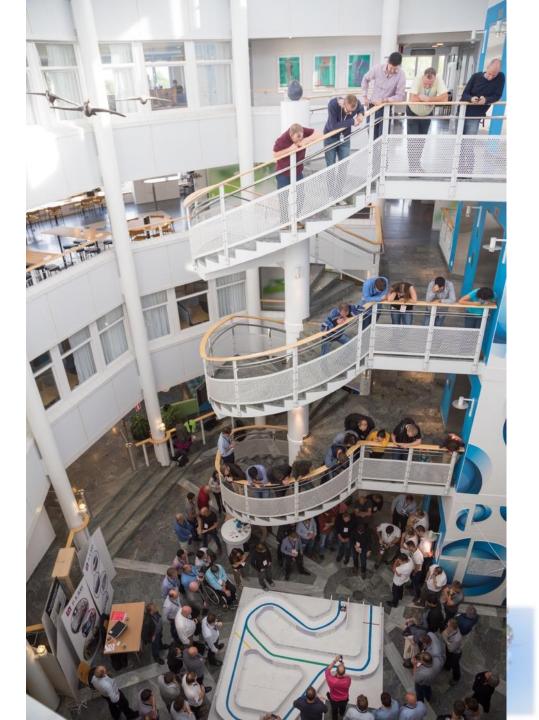






















- When DENIM started, we tried hard to ensure that as much as possible, talks should be on a technical, engineering topic
- This is still important it is still the most important
- But we realized along the way that the opportunity to meet and network with our colleagues from other facilities is just as important

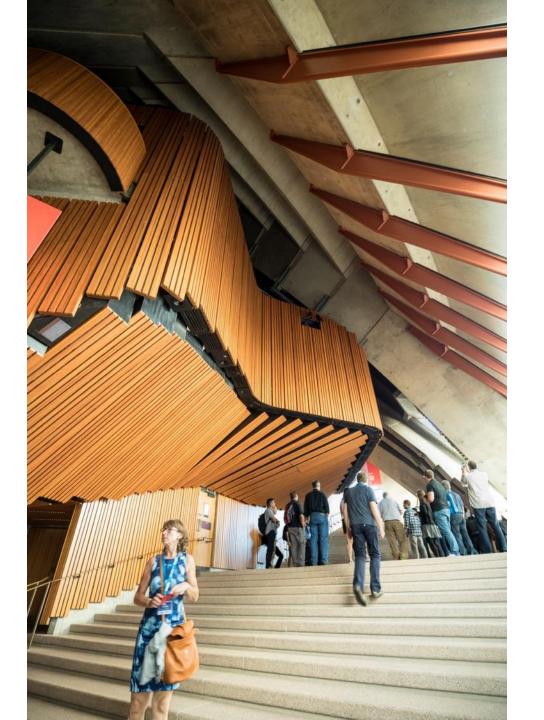


























Something about neutron sources on the moon





Getting On Top Of It

 Earlier in my career, I would say that "A good engineer does not need to know everything, but knows where to look to figure it out"

DENIM teaches us "A good neutron instrument engineer does not

know how to do everything, but knows who to ask"









7th Design and Engineering of Neutron Instruments Meeting 2018









































DENIM – Looking Forward

- DENIM and the ISNIE are for Engineers!!!
 - All (even Scientists!) are welcome, but DENIM and the ISNIE are engineering focused activities / organizations





Reviews

Independent review is a fundamental engineering principle

A (willing) pool of expert reviewers are available in DENIM and the

ISNIE





DENIM is People

- I have been an engineering manager for most of the time DENIM has existed
- I believe that engineering management is a form of systems engineering
- but the system includes people, which are much harder to understand than mechanisms







Join the ISNIE

It's for Engineers!

but all are welcome



Next Year – NCNR / NIST, Gaithersburg, Maryland, U.S.A.

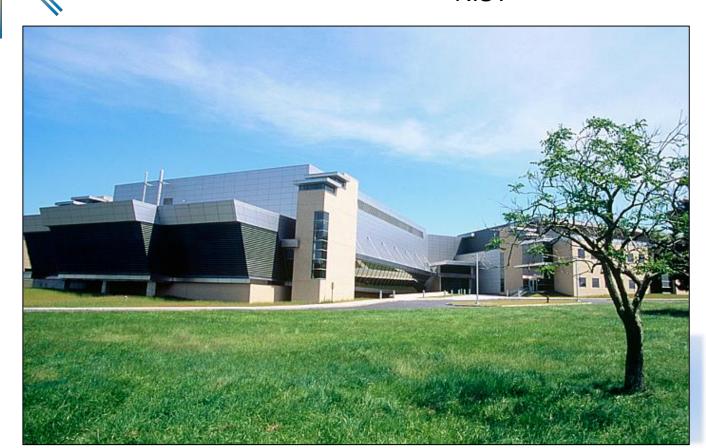




NIST

NCNR





• 2020 – J-PARC





