

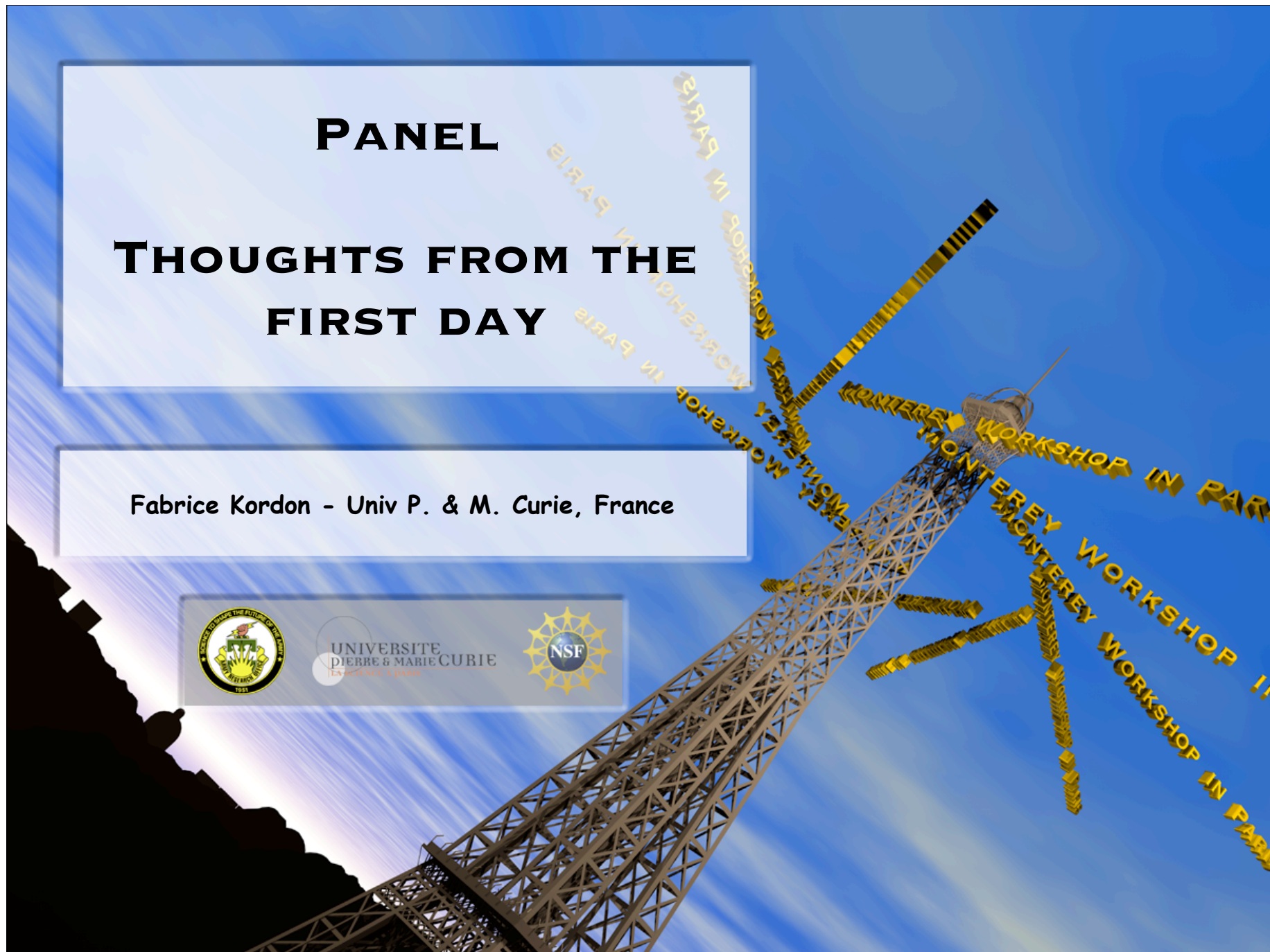
PANEL

**THOUGHTS FROM THE
FIRST DAY**

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UNIVERSITE
PIERRE & MARIE CURIE
1912



CHALLENGES: COMPOSITION OF EMBEDDED SYSTEMS

 What composition means?

strong relation to distribution!

Assembling

 G. Haik
 C. Kirsh

more local
(one node)

 R. Schantz

Interconnecting

 X. Koutsoukos
 R. Obermaisser

more oriented
to scalability

Application on
critical systems

Generative approach
 G. Karsai

Does MDA helps

DO YOU AGREE ON MDA? WHAT RELATION TO MODEL ENGINEERING?

F. Kordon

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Monterey Workshop, October, 16-, 2006

PIM

Conception level

- less constraints
- easier to get a global view



PSM

Implementation level

- impl. constraints
- depl. constraints



- Program synthesis versus code generation?
 - Legacy components?
- What about necessary backtracks?
- Can his be an overall approach?
 - What about domain specific considerations...
- Relation to Model engineering?
 - Comes from the need for program generators
 - These must be flexibles
 - These must be maintainable
- Is Model Engineering (and MDA?) suitable for Embedded systems?
 - Now embedded means distributed!!!