



2nd HT Corrosion Toulouse 2014 Spring School



Spring school intended for engineers from industry and academic researchers with speakers which are **international experts** on High Temperature Corrosion



Dr. M. Spiegel

Specialist HT Materials
Salzgitter Mannesmann Forschung GmbH
(Germany)



Prof. D.J. Young

Emeritus Professor
UNSW, Sydney
(Australia)



Prof. Dr.-Ing. W.J. Quadackers

Head of the HT Corrosion and Protection Group
JÜLICH
(Germany)

Lectures in English and cases study in the field of aeronautics, nuclear power, energy and gas synthesis.



Toulouse, France
12 – 16 mai 2014

Lecture description

- ❑ **Definitions and thermodynamics basics, kinetics, ...**
- ❑ **Phenomenology of the different types of high temperature oxidation and corrosion**
Internal/external oxidation, multiple oxidants, hot corrosion, « metal dusting », corrosion under deposits. Description and mechanisms.
- ❑ **Theory of alloy oxidation**
*Resistance to HT corrosion of the main families of refractory alloys
Composition optimization and new alloy development*
- ❑ **Coatings and protection solutions**
- ❑ **Experimental and characterization technics**
- ❑ **Integrity, lifetime modeling**
- ❑ **Methodology and assessment**

Cases study

Cases study in the field of aeronautics, nuclear power, energy and gas synthesis ...

Program

Arrival on Monday until 1pm, departure on Friday from 3pm

- ❑ Lectures:
 - Monday from 3pm to 7.30pm,
 - Tuesday, Wednesday, Thursday from 8.30am to 1pm,
 - Friday from 8.30am to 10.30am
- ❑ Cases study:
 - Tuesday, Wednesday, Thursday from 3pm to 7.30pm
- ❑ Conclusions:
- ❑ Friday from 11am to 12pm

Organization Committee

Aurélie Rouaix, *CIRIMAT*
Clara Desgranges, *CEA*,
Daniel Monceau, *CIRIMAT*
INP Formation Continue

Scientific Committee

Jean-Michel Brossard, *VERI*
Jean-Marc Cloué, *AREVA*
Fabrice Crabos, *Turbomeca-SAFRAN*
Clara Desgranges, *CEA*
Sébastien Doublet, *Air Liquide*
Laure Martinelli, *CEA*
Daniel Monceau, *CIRIMAT*
Raphaëlle Peraldi, *Airbus*
Joe Quadackers, *Jülich*
Aurélie Rouaix, *CIRIMAT*
Michael Spiegel, *Salzgitter*
Mannesmann Forschung GmbH
David Young, *UNSW*

Limited capacity

Pre-registration compulsory before December 3rd 2013

Contact : Nadine Dausse INP Formation Continue
nadine.dausse@inp-toulouse.fr, +33-5.34.32.31.07

	With accommodation	Without accommodation
Academics	800€	550€
Industrial	1500€	1200€

With or without the accommodation, the registration fee includes:

- Lunches from Monday to Friday and dinners from Monday to Thursday.
- Return between Blagnac airport and Matabiau train station with the conference site on Monday morning and Friday afternoon.

HT Corrosion Toulouse 2014 Spring School

May 12-16, 2014, Toulouse, France

REGISTRATION FORM

Limited capacity, pre-registration compulsory before December 3rd 2013

PARTICIPANT	COMPANY
Family Name: First Name(s):..... Address:..... Phone: E-mail: Position:	Company Name: Address: Name of the person in charge of training: Compulsory Phone: E-mail:

REGISTRATION FEE:

Tick the appropriate box:

	With accommodation	Registration	Without accommodation	Registration
Academics	800 €	<input type="checkbox"/>	550€	<input type="checkbox"/>
Industrial	1 500 €	<input type="checkbox"/>	1200€	<input type="checkbox"/>

With or without accommodation, the registration fee includes:

- Lunches from Monday to Friday and dinners from Monday to Thursday.
- Return between Blagnac airport and Matabiau train station with the conference site on Monday morning and Friday afternoon.

Travel arrangement: Compulsory

Do you want transportation for this formation ? yes no

If yes, please complete the following table, according to your need.

Dates	Shuttle from/to Blagnac airport	Shuttle from/to Matabiau train station
Monday, May 12, 2014	<input type="checkbox"/>	<input type="checkbox"/>
Friday, May 16, 2014	<input type="checkbox"/>	<input type="checkbox"/>

REGISTRATION FEE

Organization which will pay:

.....

Address :

.....

Paiement must be done either by bank transfer or by check payable to:

**Agent Comptable de l'INP de Toulouse - TP TOULOUSE TRESORERIE GENERALE CB : 10071 –
Code guichet 31000 – N° de compte : 00001001328– Clé : RIB 85**

Please recall on the back of the check the name of the training and the participant name

Name and signature of the person in charge of the paiement

Important remark: A withdrawal without replacement announced by in writing less than 15 days before the start of the school leads for the company to an obligation to pay the complete amount corresponding to the training fee.

CONTACT : **Nadine DAUSSE**

05.34.32.31.07 – nadine.dausse@inp-toulouse.fr

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