

MINUTES OF THE NINTH MEETING OF THE RTN NETWORK ON "REACTIVE INTERMEDIATES"

(held in Amsterdam, from 26 - 27 August 2004)

This meeting was organized by the Amsterdam group and was held at the Vrije Universiteit, Amsterdam, from 26-27 August 2004. The list of representatives from each research group participating in the Network, and attending the Business and Scientific meetings, was as follows:

John Dyke (Co-ordinator) from Southampton, Kees de Lange (Network Manager) and Wim Ubachs from Amsterdam, Dolores Gauyacq from Orsay, Maria Lourdes Costa from Lisbon, Vladimir Bondybey from Garching, Peter Rakitzis representing Theofanis Kitsopoulos from Crete, and Peter Watts and Andrew Bell from Porton Down. No Young Researchers (YRs) were present at this Meeting, as it was mainly an Administration Meeting.

After arrival on Thursday, the 26th, the participants met for an informal dinner. The participants stayed overnight at Hotel Smit.

Programme for the Network Meeting at Vrije Universiteit, Amsterdam

Friday 27 August 2004

09.00 Welcome and brief introduction

Wim Ubachs

09.05 Scientific contribution

Chair: Wim Ubachs

Peter Rakitzis (FORTH, Heraklion, Greece)

Pulsed-laser production and detection of spin-polarized hydrogen

09.50 Introduction to the final Network Report

John Dyke

10.00 COFFEE

10.30 Structure of the final Network Report and deadlines

John Dyke

11.15 Organization of the Finances

John Dyke

11.45 Tour of the VU Laser Centre Facility for all participants

Wim Ubachs

12.30 LUNCH

14.00 Scientific contribution

Chair: Dolores Gauyacq

Harold Linnartz (Physical Chemistry, Vrije Universiteit, Amsterdam)

High resolution spectroscopy of carbon chain radicals: from diffuse interstellar bands to molecular nano-wires

14.45 Introduction to the New Network Application: Current Status
Kees de Lange

14.55 COFFEE

15.30 Discussion on the New Network Proposal: Possible Way Forward
Kees de Lange

This will be initiated by each delegate giving his/her views on the weaknesses of the CREATIVE proposal, how to improve it and possible next steps (please bring 1-2 overheads each to summarise your ideas).

16.40 Summary
Kees de Lange

17.00 Close of meeting
John Dyke

The “Reactive Intermediates” meeting started on Friday at 9.00 am.

After the welcome by John Dyke, Wim Ubachs welcomed everybody to Vrije Universiteit, and gave a brief introduction to the Amsterdam Laser Centre. Wim Ubachs chaired the first scientific session which started with the following scientific contribution:

9:05-9:50 Peter Rakitzis (FORTH, HERAKLION, CRETE)
“Pulsed-laser production and detection of spin-polarized hydrogen ”

At 9.50 h, John Dyke started by stating the “Objectives of the 9th Network Meeting”, which was to PLAN FOR THE FINAL REPORT.

- **Deadline for the Financial and Research Reports from group leaders to Co-ordinator is September 30th**
- **Both Reports should be in Brussels before October 31st.**

The coffee break, took place at 10:00 a.m..

After the coffee break, at 10.30, the Co-ordinator went to discuss the following points, following the “IHP Report no. 2000 Guidelines”, relevant to the preparation of the Final Report:-

Part A- Research results

Receipt of material from group leaders:

- Research Report

Two sides of A4, using the five objectives headings (ideally at least two)

1. Characterisation of electronically excited states of reactive intermediates
2. Study of the spectroscopy of cations
3. Investigation of reactive intermediates produced by photolysis and pyrolysis
4. Study of ion-molecule reactions as a function of pressure, temperature and size.

5. Investigation of heterogeneous processes on solid surfaces and clusters.

• Training Report
One side of A4.

Possible Highlights – to be collected by the Network Manager
One or two joint papers should be referred to and one figure should be included as part of every highlight:

1. Azides – Lisbon, Soton, Garching, Porton – to be written by Maria Lourdes Costa
2. Photoionization and Photodissociation with Synchrotron Radiation – Lisbon, Soton, Orsay - to be written by Dolores Gauyacq with input from John Dyke
3. Ionic-Clusters – Garching, Bruker, Amsterdam, Crete - to be written by Vladimir Bondybey
4. Reactions of Organophosphate Ions – Porton, Soton - to be written by Andrew Bell
5. Catalysis in the Gas-Phase – Garching Lisbon - to be written by Vladimir Bondybey
6. Gas-Phase Ionic Clusters – Crete, Amsterdam - to be written by Kees de Lange
7. Photodissociation of OCS – Crete, Amsterdam - to be written by Wim Ubachs

Part B – Comparison with the Joint Programme of Work

Sections B1 to B5 to be written by JMD and CA dL. Input from each group for progress report in year 4 is needed.

B1 – Research achievements

B2 – Overall organisation and management

To be written by JMD and CA dL based on Annual reports from Group Leaders

B3 – Training Overview

To be written by JMD and CA dL based on Annual reports and Year 4 reports from Group Leaders.

Tables 5 and 6 already exist. They need to be up-dated.

Other important points:

A. WEB-PAGE

Needs to be up-dated (CA dL) after this meeting, before September 30th.

It contains:

1. Minutes of each meeting
2. Publications of the network
 - (i) Network publications (33) need up-dating
 - (ii) Associated publications (51) need up-dating
 - (iii) Joint Network publications-currently 24
- can we get to 40?
3. Presentations
 - (i) Staff - need up-dating

(ii) Yrs - need up-dating

4. Press Articles

B. ANNEX A – Completed questionnaires still needed from:

A. van den Brom from Crete
Urs Hollenstein from Amsterdam
Petru Balaj from Garching
P. Rodrigues from Southampton
Romeo-Olariu from Lisbon
L. Rubio from Crete
Iulia Balteanu from Garching
K. Raffael from Orsay

At 11.15 the Co-ordinator moved to the organisation of the finances:

- A. Annual Cost Statement
- Needed from each group leader by September 30th.
 - Each group leader needs to fill in forms E1, E2, E3 as in previous years

These are needed so that Co-ordinator can complete the “Integrated Cost Statement”

He stressed the importance of each group sticking rigorously to the 60% rule. **Budget statements with an overall figure of less than 60% will be returned to group leaders.**

Financial plans have then been reviewed.

At 12.00 noon, the tour of the VU Laser Centre Facility started, followed by lunch.

At 14.00 the final scientific contribution started, chaired by Dolores Gauyacq:
“High resolution spectroscopy of carbon chain radicals: from diffuse interstellar bands to molecular nano-wires” by Harold Linnartz, from Physical Chemistry, Vrije Universiteit, Amsterdam.

The meeting ended at 14.45, with the Co-ordinator thanking Wim Ubachs and Kees de Lange for organising an excellent and enjoyable meeting.

The Overall Conclusions from this meeting were as follows:

1. **Group Leaders should send Annual Report from their group (Research, Training, Financial) to the Network Co-ordinator by September 30th.**
Action: Goup Leaders
2. **Minutes of this Meeting need to be sent to Network Manager to put on the Network Web-page by September 30th.**
Action: Maria L. Costa
3. **A group photo of the attendees at the Network Meeting needs to be obtained for the front cover of the Final Network Report by the Network Manager.**
Action: Network Manager.

4. People writing Scientific Highlights for the Final Report will send the Highlights to the Network Manager by September 30th. Each Highlight will include a selected joint Network paper and a figure.
Action: Five Group Members.

5. Section A1, Scientific Highlights, of the Final Report will be assembled by the Network Manager.
Action: Network Manager.

6. The Network Web-page needs to be updated. All Group Leaders need to send material for the Web-page by September the 30th.
Action: Group Leaders.

7. All Group Leaders need to ensure that all YR Annex A questionnaires from their group have been completed and sent to the Network Co-ordinator by September 30th.
Action: Group Leaders.

8. Assembling Network Final Report and Financial Summary by October 30th.
Action: Network Co-ordinator and Network Manager.

9. Dr. H. Linnartz will summarise discussions and ideas on the new CREATIVE FP6 proposal to the CREATIVE Group Leaders by September 30th.
Action: Dr. H. Linnartz

10. A 1-2 day Meeting of the CREATIVE Group Leaders will be held before Christmas (probably in Würzburg, Germany) to plan the new proposal. It was decided that if a group is not represented at this meeting it will not be included on the CREATIVE proposal.
Action in organizing date and schedule of this meeting: J. M. Dyke, C. A. de Lange and H. Linnartz

Finally, the Co-ordinator thanked Profs Wim Ubachs and Kees de Lange for organising an excellent meeting.

The Conference Dinner was held at 20.00 h. and this closed the meeting.

