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Monday, 27<sup>th</sup> Sept 2010

- 09:00 **Registration and Coffee**
- 10:00 **Welcome and introduction**  
*Dr. J. Kreyenschmidt (Chairman of the Cold Chain Management Network, DE)*  
*R. Kamphausen (Ministry for the Environment and Conservation, Agriculture and Consumer Protection, DE)*

**New sensor technologies to control the cold chain**  
*Chairman: Prof. Dr. R. Stamminger, University of Bonn, DE*

- 10:20 **Local logistical management in the cold food supply chain by using intelligent packing devices**  
*Dr. J. Snels (Wageningen University and Research Centre, NL)*
- 10:50 **RFID Proactive Cold Chain: Preventing loss by continuous pallet-level online temperature monitoring with low-power RFID sensor tags**  
*H. Vagts (Fraunhofer Institute of Optonics, System Technologies and Image Exploitation IOSB, DE)*
- 11:20 **Pasteur: Perishable monitoring through smart tracking of lifetime and quality by RFID**  
*M.H.M. Vollebregt (Wageningen University and Research Centre, NL)*
- 11:50 **Lunch**

**Cold chain monitoring by Time Temperature Indicators**  
*Chairman: Prof. Dr. D. Haarer, University of Bayreuth, DE*

- 13:00 **Historical review and state of the art in Time Temperature Integrator (TTI) technology for the management of the cold chain or refrigerated and frozen foods**  
*Prof. Dr. P. Taoukis (National Technical University of Athens, GR)*
- 13:30 **A new time-temperature indicator based on high-viscosity liquids**  
*Dr. M. Maschietti (University of Rome, IT)*
- 14:00 **Web 2.0 based software solution to support a practical implementation of Time Temperature Indicators**  
*V. Raab (University of Bonn, DE)*
- 14:30 **Coffee break**

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Monday, 27<sup>th</sup> Sept 2010

**Temperature controlled logistic**  
*Chairman: Dr. V. Juneja (USDA-Agriculture Research Service, US)*

- 15:00 **Evaluating the key factors in physical distribution of cold chain**  
*G.B. Da Silva (Centro Federal de Educacao Tecnológica do Rio de Janeiro, BR)*
- 15:30 **Supervision of banana transport by the intelligent container**  
*Dr..R. Jedermann (University of Bremen, DE)*
- 16:00 **A diagnostic instrument to identify improvement opportunities for quality controlled logistics in food supply chain networks**  
*Prof. Dr. J. van der Vorst (Wageningen University and Research Centre, NL)*
- 16:30 **Temperature monitoring of non-actively cooled pharmaceutical transportation**  
*S. A. Mousavi (DHL Solutions and Innovations, DE)*
- 17:00 **Poster session (1 hour)**
- 18:45 **Social program and dinner**

Tuesday, 28<sup>th</sup> Sept 2010

**Application of shelf life and risk models in food supply chains**  
*Chairman: Prof. Dr. P. Taoukis (University of Athens, GR)*

- 09:00 **Hazards associated with *Clostridium perfringens* in particular reference to predictive models applicable to cooling of cooked meat and poultry products**  
*Dr. V. Juneja (USDA-Agricultural Research Service, US)*
- 09:40 **Development and use of spoilage models in the food industry**  
*Dr. G. Jones (Campden BRI, GB)*
- 10:10 **Operation of field trials and follow up activities to test of technologies to improve quality, safety and traceability in fish supply chains**  
*T. Hafliadason (University of Iceland, IS)*
- 10:40 **Coffee break**

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Tuesday, 28<sup>th</sup> Sept 2010

**Aspects of CCM in private households and supply chains**  
*Chairman: Prof. Dr. R. Stamminger, University of Bonn, DE*

- 11:00 **Cold storage in private households: recommendations and consumer real life behaviour**  
*J. Geppert (University of Bonn, DE)*
- 11:30 **Conceptual models for safe heating and cooling in the catering supply chains**  
*Dr. T. Beck Hansen (National Food Institute, DK)*
- 12:00 **Addressing short term heat peaks on the shelf life of mince meat**  
*Dr. K. Schmidt (University of Bonn, DE)*
- 12:30 **Lunch**

**Packaging solutions and cooling technologies**  
*Chairman: Prof. Dr. B. Petersen (University of Bonn, DE)*

- 13:30 **Effect of argon-enriched-atmospheres on the spoilage process of modified atmosphere packaged poultry**  
*U. List (University of Bonn, DE)*
- 13:55 **Packaging strategies for normal and DFD Maronesa beef**  
*Dr. C. Saraiva (University of Trás-os-Montes and Alto Douro, PT)*
- 14:20 **SNOWCOOL® Cold Chain under control – from start to finish**  
*S. Handley (Linde Gas, DE)*
- 14:45 **Coffee break**

**Cold chain technologies and packaging solutions**  
*Chairman: Prof. Dr. B. Kunz (University of Bonn, DE)*

- 15:15 **Packaging design for chilled products**  
*Dr. K. Müller (Fraunhofer Institute of Material Development, DE)*
- 15:40 **Moisture regulating packaging materials containing sodium chloride for packaging of refrigerated high moisture fresh foods**  
*Dr. P. Singh (Fraunhofer Institute of Process Engineering and Packaging, DE)*
- 16:05 **Approaches to increase the sensitivity of miniaturized ethylene concentration measurements systems in the fresh fruit chain**  
*A. Sklorz (University of Bremen, DE)*
- 16:30 **The cold chain management network closure of the meeting**  
*PD Dr. J. Kreyenschmidt (FH-Münster, DE)*

## Social Program

The social program will take place at "Weingut Kloster Marienthal", Klosterstraße 3-5, 53507 Marienthal.

We will invite you to a guided tour in a historical wine cellar followed by a wine-tasting. After dinner we will have some more time to enjoy the rest of the evening by some glasses of local wine within a wonderful area in the rooms and vineyards of the "Weingut Kloster Marienthal".



## QUARISMA-Workshop

On Tuesday, 28<sup>th</sup> of September the workshop "Ensuring quality and food safety in European pork chains– Capturing export markets" of the Marie Curie IAPP Project QUARISMA will take place at the same venue.

The workshop, organized by GIQS and the University of Bonn will start at 13:00 o'clock parallel to the cold chain management workshop after lunch.

For more information and registration: [www.giqs.org](http://www.giqs.org)

## Location and Information

The workshop will be held at the "University of Bonn" (main building), Regina-Pacis-Weg 3, 53113 Bonn. It is in 5 minutes walking distance from the Central Station.

For further information:

<http://www.ccm.uni-bonn.de>

### For detailed information, please call:

Prof. Dr. B. Petersen, PD Dr. J. Kreyenschmidt,  
University of Bonn, D-53115 Bonn, Germany

Phone: +49 (0) 228 73 2821

Fax: +49 (0) 228 73 6515

E-mail: [coldchain@uni-bonn.de](mailto:coldchain@uni-bonn.de);

[j.kreyenschmidt@fh-muenster.de](mailto:j.kreyenschmidt@fh-muenster.de)

<http://www.ccm.uni-bonn.de>

## Costs and Payment Information

The registration fees for the seminar are 90 € for students, 200 € for institutes and 350 € for industry members. For one day its half of the price.

The price covers registration fee, refreshments, lunch, social program, dinner, the proceeding volume but not accommodation or any transaction charges for the organizer.

### Payment from Germany:

**Reason for Payment:** PN 312-7-0009/61116 + name of the participant and organization

Bank code: 37050198 SPK Köln Bonn

Account no: 57695

### Payment from foreign countries:

**Reason for Payment:** PN 312-7-0009/61116 + name of the participant and organization

IBAN: DE 08 3705 0198 0000 057695 BIC: COLSDE33

### Name and Address of the Bank

Sparkasse KölnBonn, Friedensplatz 1-3, D-53111 Bonn

VAT=DE 122119125

**Payment without any transaction charges for the organizer.**

### Registration:

You can also register online on the following website:  
<http://www.ccm.uni-bonn.de>

or via attached registration form.

Please send the registration to:

E-mail: [coldchain@uni-bonn.de](mailto:coldchain@uni-bonn.de)

Fax: +49 (0) 228 73 65 15

**End of registration: 10. Sept. 2010**

## Organization

The workshop will be organized by the University of Bonn, Cold-Chain-Management Group:

- PD Dr. J. Kreyenschmidt, FH Münster, DE
- Prof. Dr. B. Petersen, University Bonn, DE
- Prof. Dr. B. Kunz, University Bonn, DE
- Prof. Dr. R. Stamminger, University Bonn, DE
- Dr. M. Hamer, GIQS, DE



## coldchain management

4<sup>th</sup> International Workshop  
Bonn, Germany

**BONN**

**27-28 Sept 2010**



**Innovative cold chain monitoring systems**

**Application of shelf life and risk models in food supply chains**

**Supply chain management in cold chains**

**Aspects of cold chain management in private households**

**Cold chain technologies**

## Invitation Agenda

  
universität**bonn**

**GIQS**

**Tel.:** +49-228-73 2821

+49-228-73 1967

**Fax:** +49-228-73 6515

[coldchain@uni-bonn.de](mailto:coldchain@uni-bonn.de)