13th International Symposium „Conditioning of Radioactive Operational & Decommissioning Wastes“
including
13th Status Report of BMBF „Decommissioning and Dismantling of Nuclear Facilities“
March 22. – March 24, 2017
at the
MARITIM Hotel & Internationales Congress Center Dresden, Germany

Invitation to attend
with
preliminary program
Conference Location
MARITIM Hotel & Internationales Congress Center Dresden (ICD)
Ostra-Ufer 2
01067 Dresden
Germany

ICD Big Hall
Plenary Sessions

ICD Galleries of Halls 1-5, restaurant and Hall Foyer
Postersessions

ICD Galleries of Halls 3+4
Panels for short technical lectures
KONTEC DIRECT

ICD Halls 1-5, restaurant and Hall Foyer
Technical Exhibition

Conference counter/ Registration
The conference counter/ registration desk will be located at the entrance of the MARITIM Internationales Congress Center Dresden (ICD) on the terrace level and will be opened as follows:

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Tuesday</td>
<td>March 21, 2017</td>
<td>06.00 pm – 08.00 pm</td>
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<tr>
<td>Wednesday</td>
<td>March 22, 2017</td>
<td>08.00 am – 06.30 pm</td>
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<tr>
<td>Thursday</td>
<td>March 23, 2017</td>
<td>08.00 am – 06.30 pm</td>
</tr>
<tr>
<td>Friday</td>
<td>March 24, 2017</td>
<td>06.00 am – 02.00 pm</td>
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</tbody>
</table>

Wardrobe/
Cloakroom:
Clothing can be checked at the foyer/ terrace level of the ICD for a fee of EUR 1.50 per piece of clothing at the following times.

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Wednesday</td>
<td>March 21, 2017</td>
<td>09.00 am – 10.30 pm</td>
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<tr>
<td>Thursday</td>
<td>March 23, 2017</td>
<td>08.30 am – Friday, March 24, 2017, 00.30 am</td>
</tr>
<tr>
<td>Friday</td>
<td>March 24, 2017</td>
<td>08.30 am – 02.00 pm</td>
</tr>
</tbody>
</table>

Business center
A business center equipped with an internet connected personal computer is located in the MARITIM Hotel.
The conference counter’s/ registration desk’s staff can be requested for photocopies (EUR 0.20 per copy) or other office work.

Internet Café
Again on KONTEC 2017 an Internet spot will be established in the restaurant of the ICD’s hall level to allow our attendees access to the internet free of charge.
Program Committee

Chairman:
Michael Szukala  Düsseldorf

Vice-Chairman:
Olaf Oldiges  DAHER NUCLEAR TECHNOLOGIES  Hanau

Program Committee Members:

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Company/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael Bächler</td>
<td>VENE</td>
<td>Brunsbüttel</td>
</tr>
<tr>
<td>Dr. Georg Brähler</td>
<td>NUKEM</td>
<td>Alzenau</td>
</tr>
<tr>
<td>Dr. Guido Caspary</td>
<td>JEN</td>
<td>Jülich</td>
</tr>
<tr>
<td>Hans Genthner</td>
<td>KAH</td>
<td>Heidelberg</td>
</tr>
<tr>
<td>Anja Graf</td>
<td>EnBW Kernkraft</td>
<td>Philippsburg</td>
</tr>
<tr>
<td>Burkhard Hartmann</td>
<td>EnBW Kernkraft</td>
<td>Obrigheim</td>
</tr>
<tr>
<td>Dr. Thomas Hassel</td>
<td>UWTH, Leibniz Universität</td>
<td>Hannover</td>
</tr>
<tr>
<td>Stefan Klute</td>
<td>BKW Energie AG</td>
<td>Bern (CH)</td>
</tr>
<tr>
<td>Dr. Heinz Kröger</td>
<td>TÜV NORD EnSys</td>
<td>Hannover</td>
</tr>
<tr>
<td>Stephan Krüger</td>
<td>PreussenElektra</td>
<td>Hannover</td>
</tr>
<tr>
<td>Karin Kugel</td>
<td>BfS</td>
<td>Salzgitter</td>
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<tr>
<td>Dr. Günter Petzold</td>
<td>GP</td>
<td>Xanten</td>
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<tr>
<td>Rudolf-Josef Printz</td>
<td>JEN</td>
<td>Jülich</td>
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<tr>
<td>Andreas Roth</td>
<td>amr GPS</td>
<td>Hamburg</td>
</tr>
<tr>
<td>Dr. Frank Schartmann</td>
<td>Brenk Systemplanung</td>
<td>Aachen</td>
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<tr>
<td>Dr. Jürg Schneider</td>
<td>Nagra</td>
<td>Wettingen (CH)</td>
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<tr>
<td>Dr. Holger Spann</td>
<td>GNS</td>
<td>Essen</td>
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<tr>
<td>Dr. Helmut Steiner</td>
<td>KGG</td>
<td>Gundremmingen</td>
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<td>Dr. Ralf Verseman</td>
<td>RWE Power</td>
<td>Essen</td>
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<tr>
<td>Dr. Aldo Weber</td>
<td>Siempelkamp NIS</td>
<td>Alzenau</td>
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<tr>
<td>Dr. Michael Weigl</td>
<td>Projektträger KIT</td>
<td>Eggenstein-Leopoldshafen</td>
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<tr>
<td>Dr. Bernhard Wiechers</td>
<td>WEG</td>
<td>Mannheim</td>
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<tr>
<td>Dr. Hannes Wimmer</td>
<td>GNS</td>
<td>Essen</td>
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</tbody>
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Since 1993 the KONTEC symposium takes place in spring every 2 years to regularly convene power plant operating experts, equipment manufacturing experts, service people as well as reviewers and authorities representatives for exchange of information and experiences. After the first KONTEC events 1993-1999 at the Congress Center Hamburg (CCH), during which the KONTEC established itself as an international conference and the symposium programme with the main topics “Conditioning of Non-heat generating Radioactive Operational & Decommissioning Wastes” was extended by the topic “Decommissioning of Nuclear Facilities” KONTEC moved to Berlin where it took place at the ESTREL Residence und Conference Hotel 2001-2005. Since 2007 the Hotel & Internationales Congress Center Dresden is the venue for very successful KONTEC events. The abrupt German federal government’s decision for nuclear phaseout after the Fukushima event, created enormous planning- and investment needs due to many decommissioning projects to be carried out in parallel. In addition people involved in such projects will have to deal with big technical challenges. The symposia KONTEC 2017 will provide a valuable contribution to find solutions for the problems of radioactive wastes conditioning as well as a broad discussion about recent developments in the field of decommissioning techniques. The still growing complexity of the special field under discussion at KONTEC is again taken into account by a stronger involvement of international papers in the various topical sessions of KONTEC 2017 and the ensuing international dialogue. Again numerous international participants are expected for KONTEC 2017. Since 2003 the results of BMBF’s r&d program “Decommissioning and Dismantling of Nuclear Facilities” as Status Reports of BMBF and PTKA-WTE, its subordinate research unit have been integrated into the KONTEC symposium programme. Also at KONTEC 2017 such results reports will topically be assigned to the separate conference sessions. Together with the programme committee all responsible persons for the organisation, preparation and performance of the KONTEC are in permanent dialogue with representatives of this branch of industry in order to adjust the general framework as well as the content of the event to actual circumstances and requirements without delay. The Hotel & Internationales Congress Center Dresden provides an extremely suitable scope for a diversified and interesting KONTEC. The KONTEC 2017 symposium programme of the separate sessions will again be presented as plenary sessions and poster sessions including KONTEC DIRECT which take place at the same time. The numerous plenary- and poster presentations will give an extensive overview about experiences, requirements and innovations in the conditioning of radioactive operation and decommissioning wastes. The papers presented on “Decommissioning and Dismantling of Nuclear Facilities” (13th Status Seminar of BMBF) will be fully integrated into KONTEC 2017. The programme will further be completed through technical papers from invited speakers on general topics. Conference proceedings on an electronic media will be available at the conference. Conference languages are German and English (simultaneous interpretation German/English and English/German will be provided). One further important feature of the KONTEC symposium is the technical exhibition which takes place in close proximity at the same time. On more than 1100 square metres of exhibition space, many exhibitors showcase all aspects of their products and services related to this branch of industry and are at one’s disposal for exchange of experiences.
KONTEC DIRECT
Short technical lectures in word & vision

KONTEC DIRECT will provide the opportunity for a deepened and specific demonstration of a topic by the combination of posters in connection with a moderated short technical lecture.

For this purpose 2 open poster panels with approx. 30 seats will be equipped. Times when to present the short technical lectures during the KONTEC 2017 will be selected by the programme committee and will be allowed to the KONTEC DIRECT speakers. The speakers will do their presentation twice during the KONTEC 2017. A corresponding note for the participants will be given in the invitation brochure with preliminary program.

As far as possible there will be no simultaneous presentation of KONTEC DIRECT short technical lectures with the corresponding plenary session.

By KONTEC DIRECT the original form of the KONTEC poster sessions is enhanced and expanded because of the necessity of an ambitious and qualified preparation of a short technical lecture in word & vision as well as of the more attractive way of presentation. KONTEC DIRECT offers possibilities for presentation particularly to the new nuclear generation.
Program Overview

Wednesday, March 22, 2017
10.00 am – 10.20 am Welcome and Opening of KONTEC 2017
10.20 am – 01.00 pm Plenary Session 1
01.00 pm – 02.00 pm Lunch break
02.00 pm – 04.00 pm Plenary Session 2
04.00 pm – 04.30 pm Coffee break
04.30 pm – 05.30 pm Plenary Session 2

Wednesday, March 22, 2017
11.50 am – 01.00 pm KONTEC DIRECT short lectures*
Panel 1: Session 4/ Panel 2: Session 2
02.30 pm – 03.40 pm KONTEC DIRECT short lectures
Panel 1: Session 3/ Panel 2: Session 1

*Please note that each KONTEC DIRECT short lecture will be presented twice during KONTEC 2017. Thus, if you miss a short lecture presentation due to scheduling reasons or lack of space in the lecture forum, you have the opportunity to attend the same lecture at another time. Details on the KONTEC DIRECT Short technical lectures’ program on Wednesday, March 22, 2017 and Thursday, March 23, 2017 are shown in this brochure each following the daily plenary paper program. Please make use of the communication system (headphones and receivers) available for the audience at each lecture forum which will serve you as audio support in a noise loaded area. A simultaneous interpretation will not be given for KONTEC DIRECT Short technical lectures.

Wednesday, March 22, 2017
10.00 am – 06.00 pm Postersessions of all Sessions
Wednesday, March 22, 2017
10.00 am – 10.00 pm** Technical Exhibition

**Wednesday, March 22, 2017 06.00 pm – 10.00 pm; „Exhibitors’ Evening“ – Participating exhibitors will keep their exhibition booths open after 6 pm until 10 pm self-organized and invite the KONTEC 2017 attendees warmly for a visit.

Thursday, March 23, 2017
09.30 am – 11.30 am Plenary Session 2
11.30 am – 12.00 am Coffee break
12.00 am – 01.00 pm Plenary Session 2
01.00 pm – 02.00 pm Lunch break
02.00 pm – 03.00 pm Plenary Session 2
03.00 pm – 03.30 pm Coffee break
03.30 pm – 06.10 pm Plenary Session 3

Thursday, March 23, 2017
11.20 am – 12.30 pm KONTEC DIRECT short lectures
Panel 1: Session 4/ Panel 2: Session 3
02.00 pm – 04.10 pm KONTEC DIRECT short lectures
Panel 1: Session 2/ Panel 2: Session 1

Thursday, March 23, 2017
09.30 am – 06.00 pm Postersessions of all Sessions
Thursday, March 23, 2017
09.30 am – 06.00 pm Technical Exhibition
Thursday, March 23, 2017
08.00 pm – midnight „KONTEC 2017 Banquet“

Friday, March 24, 2017
09.00 am – 10.40 am Plenary Session 4
10.40 am – 11.10 am Coffee break
11.10 am – 12.30 pm Plenary Session 4
12.30 pm – 01.00 pm Conclusion and Awards for the Best 2017 Plenary, Poster and KONTEC DIRECT short lecture
01.00 pm End of Plenary Sessions

Friday, March 24, 2017
09.00 am – 01.00 pm Postersessions of all Sessions
Friday, March 24, 2017
09.00 am – 01.00 pm Technical Exhibition

Details on the preliminary program and more information about the conference and participation on the following pages. (Details on KONTEC DIRECT Short technical lectures on Wednesday, March 22, 2017 and Thursday, March 23, 2017 are shown each following the daily plenary paper program)
Wednesday, March 22, 2017

Plenary Session

10.00 am  Welcome and opening of the conference
Michael Szukala, Chairman of KONTEC Program Committee

10.10 am  Welcome
Sabine Diehr, Bundesministerium für Bildung und Forschung BMBF

Session 1: Disposal of radioactive residues from nuclear facilities’ operation, decommissioning and dismantling

Plenary Session

<table>
<thead>
<tr>
<th>Session Chairpersons</th>
<th>Burkhard Hartmann, EnBW Kernkraft GmbH, Obrigheim</th>
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<tbody>
<tr>
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<td>Rudolf-Josef Printz, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH</td>
</tr>
</tbody>
</table>

10.20 am (Paper number 010)
Project organisation in the campaign to optimize the conditioning of fuel element channels at the Nuclear Power Plant Mühleberg, Switzerland
Dr. Martina Suty, BKW Energie AG, Kernkraftwerk Mühleberg
Dr. Thomas Taylor, BKW Energie AG, Kernkraftwerk Mühleberg
M. Rufer, BKW Energie AG, Kernkraftwerk Mühleberg
Benjamin Seiler, Westinghouse Electric Germany GmbH

10.40 am (Paper number 069)
Experiences from the campaign-specific process qualification for the Konrad repository and its practical implementation using the example of the reactor dismantling at the NPP Obrigheim
Ralf Borchardt, Energiewerke Nord GmbH (EWN)
Ronald Strysewske, Energiewerke Nord GmbH (EWN)
Torsten Wollermann, Energiewerke Nord GmbH (EWN)

11.10 am (Paper number 047)
Renewal of the HDB process qualification using the example of the workflow for the cementation of evaporator concentrates
Sindy Kern, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH
Felix Himmerkus, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH

11.40 am (Paper number 045)
Establishing and validating a clearance procedure for buildings to be demolished at the nuclear power plant Brunsbüttel
Dr. Stefan Wörlen, Brenk Systemplanung GmbH
Torsten Gosch, Kernkraftwerk Brunsbüttel, Vattenfall Europe Nuclear Energy GmbH
Dr. Georg Bacmeister, Kernkraftwerk Brunsbüttel, Vattenfall Europe Nuclear Energy GmbH
12.10 pm  (Paper number 072)
**DIN 25457 „Activity monitoring system for the release of radioactive material and
nuclear plant components“ – preliminary conclusion and future requirement to
adapt to the German Radiation Protection Law (StrlSchG)**
Dr. Stefan Thierfeldt, Brenk Systemplanung GmbH

12.40 am  (Paper number 091)
**Radioactive Waste Water Treatment for Fukushima Daiichi Nuclear Power Plant**
Henning Fehrmann, Westinghouse Electric Germany GmbH
Hiroko Abe, Toshiba Corporation
Shunsuke Susa, Toshiba Corporation
Toshiaki Sugimori, Toshiba Corporation
et. al.

01.00 pm  Lunch break

**Session 2: Decommissioning and dismantling of nuclear facilities**

**Plenary Session**

**Session**  Stefan Klute, BKW Energie AG
**Chairpersons**  Dr. Helmut Steiner, Kernkraftwerk Gundremmingen GmbH

02.00 pm  (Paper number 004)
**News from decommissioning - A view from the point of view of federal supervision**
– Development since 2011
Helmut Scheib, BMUB Bundesaufsicht bei Kernkraftwerken

02.30 pm  (Paper number 094)
**Dismantling of the EnBW-Nuclear Power Plants**
Anja Graf, EnBW Kernkraft GmbH, Kernkraftwerk Philippsburg
Wolfgang Honetschläger, EnBW Kernkraft GmbH, Kernkraftwerk Philippsburg
Tobias Hoffmann, EnBW Kernkraft GmbH, Kernkraftwerk Philippsburg

03.00 pm  (Paper number 099)
**Preliminary feedback on the Barsebäck 1-2 reactor internals segmentation project**
Per Segerud, Westinghouse Electric Sweden AB
Joseph Boucau, Westinghouse Electric Company, Belgium

03.30 pm  (Paper number 104)
**Dismantling of the reactor pressure vessel internals and the reactor pressure
vessel of the Nuclear Power Plants Philippsburg 1 (KKP1) and Neckarwestheim 1
(GKN1)**
Dr. Frederik Nachtrodt, Westinghouse Electric Germany GmbH
Dr. Harald Bienia, NUKEM Technologies Engineering Services GmbH

04.00 pm  Coffee break

**Session 2: Decommissioning and dismantling of nuclear facilities**

(Continuation)

**Plenary Session**
Session Chairpersons
Stefan Klute, BKW Energie AG
Dr. Helmut Steiner, Kernkraftwerk Gundremmingen GmbH

04.30 pm
(Paper number 096)
International Good Practice on Practical Implementation of Characterisation in Decommissioning
Arne Larsson, Cyclife Sweden AB (EDF)
Matthew Emptage, Nuclear Regulation Group (North)
Inge Weber, OECD NEA.

05.00 pm
(Paper number 083)
Russian Policy, Strategy, Programme and Experience in Decommissioning Sphere
Andrei Sobolev, Radioactive waste management enterprise RosRAO
A. F. Nechaev, Radioactive waste management enterprise RosRAO
I. V. Smirnov, Radioactive waste management enterprise RosRAO

05.30 Uhr End of Plenary Session on Wednesday

KONTEC DIRECT
Short technical lectures in word & vision
*Please note that each KONTEC DIRECT short lecture will be presented twice during KONTEC 2017. Thus, if you miss a short lecture presentation due to scheduling reasons or lack of space in the lecture forum, you have the opportunity to attend the same lecture at another time. Details on the KONTEC DIRECT Short technical lectures’ program on Wednesday, March 22, 2017 and Thursday, March 23, 2017 are shown in this brochure each following the daily plenary paper program. Please make use of the communication system (headphones and receivers) available for the audience at each lecture forum which will serve you as audio support in a noise loaded area. A simultaneous interpretation will be not be given for KONTEC DIRECT Short technical lectures.

Wednesday, March 22, 2017, 11.50 am – 01.00 pm
Panel 1 - Session 4

11.50 am
(Paper number 039) – Poster box 50
Carbon-14 release from irradiated stainless steel
Eva De Visser-Týnová, NRG Petten

10 minutes for handover

12.10 pm
(Paper number 023) – Poster box 51
Implementation of the ESK-guideline in the VKTA radiation protection, analysis & disposal
Sabine Fleck, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.

10 minutes for handover

12.30 pm
(Paper number 031) – Poster box 52
Status of waste producer-specific material vectors in the Konrad material list
Dr. Karl Weis, Bundesamt für Strahlenschutz

10 minutes for handover

12.50 pm
(Paper number 082) – Poster box 53
Legitimation of on-site Disposal as an Option for Decommissioning of «NUCLEAR LEGACY» Objects
Andrei Sobolev, Radioactive waste management enterprise RosRAO

Wednesday, March 22, 2017, 11.50 am – 01.00 pm
Panel 2 - Session 2

11.50 am
(Paper number 007) – Poster box 24 - BMBF
Mechanical and thermal tool loads in dry diamond wire sawing of steel
Lukas Tatzig, Leibniz Universität Hannover, Institut für Fertigungstechnik und Werkzeugmaschinen

10 minutes for handover
12.10 pm (Paper number 061) – Poster box 25
Introduction of various procedures when dismantling biological shields of research reactors
Dr. Carmen Isabella Krau, Siempelkamp NIS Ingenieurgesellschaft mbH
10 minutes for handover

12.30 pm (Paper number 076) – Poster box 26
Dismantling project Chemical Cells – The segmentation of a concrete shielding by means of the Dry Wire Sawing Method
Sonja Biemann, JEN Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH
10 minutes for handover

12.50 pm (Paper number 095) – Poster box 27
Demolition of the Biological Shield at the SVAFO R2 Research Reactor in Sweden
Niklas Bergh, Westinghouse Electric Sweden AB

Wednesday, March 22, 2017, 02.30 pm – 03.40 pm
Panel 1 - Session 3

02.30 pm (Paper number 011) – Poster box 37 - BMBF
Laser decontamination of concrete- and metal surfaces
Georg Greifzu, TU Dresden, Professur für Wasserstoff- und Kernenergietechnik
10 minutes for handover

02.50 pm (Paper number 044) – Poster box 38
USER: Implementation of heavy metal farming for renewable energies on radionuclide-contaminated surfaces
Prof. Dr. Erika Kothe, Friedrich-Schiller-Universität Jena
10 minutes for handover

03.10 pm (Paper number 021) – Poster box 39
Waste treatment complex at the Nuclear Power Plant TiANWAN, China
Rainer Slametschka, NUKEM Technologies Engineering Services GmbH
10 minutes for handover

03.30 pm (Paper number 105) – Poster box 40
Logistic and civil engineering planning in the nuclear dismantling by means of 3D-CAD-Model
Mark Kritzmann, HOCHTIEF Engineering GmbH Consult IKS

Wednesday, March 22, 2017, 02.30 pm – 03.40 pm
Panel 2 - Session 1

02.30 pm (Paper number 015) – Poster box 1
Utilization of the Reactor Pressure Vessel of a Boiling Water Reactor
Dr. Niemma Buckanie, GNS Gesellschaft für Nuklear-Service mbH
10 minutes for handover

02.50 pm (Paper number 016) – Poster box 2
Off-site waste treatment during the final dismantling phase
Boris Westerwinter, GNS Gesellschaft für Nuklear-Service mbH
10 minutes for handover

03.10 pm (Paper number 036) - Poster box 3
„Islands of Release“ when dismantling the Rossendorf Research Reactor
Sven Jansen, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
10 minutes for handover
Postersession

10.00 am - 06.00 pm
Postersession of all Sessions at the gallerires of ICD halls 1-5, restaurant and hall foyer

Technical Exhibition

10.00 am - 10.00 pm
Accompanying Technical Exhibition in the ICD halls 1-5, restaurant and hall foyer

06.00 pm – 10.00 pm: „Exhibitors’ Evening“ – Participating exhibitors will keep their exhibition booths open after 6 pm until 10 pm self-organized and invite the KONTEC 2017 attendees warmly for a visit.

Thursday, March 23, 2017

Session 2: Decommissioning and dismantling of nuclear facilities

(Continuation)

Plenary Session

Session Chairpersons
Michael Bächler, Vattenfall Europe Nuclear Energy GmbH, Brunsbüttel
Stephan Krüger, PreussenElektra GmbH, Hannover

09.30 am (Paper number 002)
In Situ Decontamination of the Steam Dryer at BWR plants - Recent Experiences with FSD at NPP ISAR 1 and NPP Krümmel
Dr. Christian Topf, AREVA GmbH
Luis Sempere Belda, AREVA GmbH
Michael Fischer, AREVA GmbH
Dr. Thomas Erbacher, PreussenElektra GmbH KKW Isar et. al.

10.00 am (Paper number 022)
The Rossendorf Research Reactor (RFR) – an overview about dismantling and disposal
Dr. Reinhard Knappik, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
Kristin Pfützner, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
Steffen Kniest, Siempelkamp NIS Ingenieurgesellschaft mbH et. al.

10.30 am (Paper number 057)
Decommissioning of the Reactor Pressure Vessels by Remote Controlled Thermal Cutting Segmentation Facilities at the ZION Nuclear Power Plant at ZION, USA
Andreas Loeb, Siempelkamp NIS Ingenieurgesellschaft mbH
Stefan Dätig, Siempelkamp NIS Ingenieurgesellschaft mbH
Dieter Stanke, Siempelkamp NIS Ingenieurgesellschaft mbH

11.00 am (Paper number 049) - BMBF
Automated disassembly of reactor pressure vessel internals by means of underwater robotics
Gunnar Heinzler, AREVA GmbH.
11.30 am Coffee break

### Session 2: Decommissioning and dismantling of nuclear facilities

(Continuation)

#### Plenary Session

<table>
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<tr>
<th>Time</th>
<th>Paper Number</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>12.00 am</td>
<td>008</td>
<td>Progress and experiences of decommissioning projects at Belgoprocess</td>
<td>Bart Ooms, Belgoprocess</td>
</tr>
<tr>
<td>12.20 am</td>
<td>064</td>
<td>Improved efficiency for the structural analysis of the reactor building for the demolition of the inner structure of the building</td>
<td>Jörg Möller, Energiewerke Nord GmbH (EWN), BT Rheinsberg</td>
</tr>
<tr>
<td>12.40 pm</td>
<td>103</td>
<td>Training of the technical staff for the decommissioning and dismantling of nuclear power plants</td>
<td>Stefan Stockfleth, KRAFTWERKSSCHULE E.V., Kerntechnik/ Strahlenschutz</td>
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</tbody>
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01.00 pm Lunch break

### Session 2: Decommissioning and dismantling of nuclear facilities

(Continuation)

#### Plenary Session

<table>
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<tr>
<th>Time</th>
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<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>02.00 pm</td>
<td>051+052</td>
<td>Frictions in the project process: if it does not precede/ Time management: Contractual control options</td>
<td>Dr. Thomas Rütten, Kapellmann und Partner Rechtsanwälte mbB</td>
</tr>
<tr>
<td>02.30 pm</td>
<td>097</td>
<td>Experiences from a Research Facility - Implementing Waste Led Decommissioning in Practice</td>
<td>Dr. Per Lidar, Studsvik Magnus Horling, MAX IV Karin Strid, Studsvik Arne Larsson, Cyclife Sweden AB (EDF)</td>
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<tr>
<td>03.00 pm</td>
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<td>Coffee break</td>
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Session 3: Facilities and systems for the conditioning and packaging of operational and decommissioning wastes

Plenary Session

<table>
<thead>
<tr>
<th>Session Time</th>
<th>Paper Number</th>
<th>Title and Authors</th>
</tr>
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<tbody>
<tr>
<td>03.30 pm (Paper number 071) - BMBF</td>
<td>Development of a tool system for the decontamination of surfaces of reinforced concrete structures</td>
<td>Ulrich Hess, Leibniz Universität Hannover, Institut für Fertigungstechnik und Werkzeugmaschinen Prof. Dr.-Ing. Berend Denkena, Leibniz Universität Hannover, Institut für Fertigungstechnik und Werkzeugmaschinen IFW, PZH Prof. Dr.-Ing. Marcus Geimer, Karlsruher Institut für Technologie D. Engelmann, Karlsruher Institut für Technologie et. al.</td>
</tr>
<tr>
<td>03.50 pm (Paper number 085)</td>
<td>Sawing in Hot Cells</td>
<td>Udo Knauer, BABCOCK NOELL GmbH</td>
</tr>
<tr>
<td>04.10 Uhr (Paper number 029) - BMBF</td>
<td>Investigation of the geometrical influence on hard metal discs when milling concrete</td>
<td>Simone Müller, KIT, Institut für Technologie und Management im Baubetrieb, Rückbau konventioneller und kerntechnischer Bauwerke Prof. Dr.-Ing. Sascha Gentes, KIT, Institut für Technologie und Management im Baubetrieb, Rückbau konventioneller und kerntechnischer Bauwerke</td>
</tr>
<tr>
<td>04.50 pm (Paper number 062) - BMBF</td>
<td>Concrete decontamination by means of dry-ice blasting for the dismantling of building structures in the nuclear field</td>
<td>Oliver Grünzel, Leibniz Universität Hannover, Institut für Werkstoffkunde Dr.-Ing. Thomas Hassel, Leibniz Universität Hannover, Institut für Werkstoffkunde Prof. Dr.-Ing. Hans Jürgen Maier, Leibniz Universität Hannover, Institut für Werkstoffkunde</td>
</tr>
<tr>
<td>05.10 pm (Paper number 003)</td>
<td>Industrial facility for the treatment of radioactive liquid wastes at the Nuclear Power Plant Chernobyl</td>
<td>Dr. Alexander Zulauf, NUKEM Technologies Engineering Services GmbH Dr. Georg Brähler, NUKEM Technologies Engineering Services GmbH</td>
</tr>
</tbody>
</table>
05.30 pm  (Paper number 048) - BMBF
Improvement of a separation method for the secondary waste treatment from water-abrasive-suspension-cutting-technology
Carla-Olivia Krauß, Karlsruher Institut für Technologie (KIT), Institut für Technologie und Management im Rückbau (TMB), Abteilung Rückbau konventioneller und kerntechnischer Bauwerke
Martin Brandauer, Karlsruher Institut für Technologie (KIT), TMB
Prof. Dr.-Ing. Sascha Gentes, Karlsruher Institut für Technologie (KIT), TMB
H. Geckeis, Karlsruher Institut für Technologie (KIT), INE et. al.

05.50 pm  (Paper number 092)
TN® MW Multi Waste Package "ALL IN ONE SOLUTION" for Conditioning – Transport – Storage – up to Final Disposal
Florence Lefort-Mary, AREVA NC
C. Herve, AREVA TN
B. Kerr, AREVA TN et. al.

06.10 pm  End of Plenary Session on Thursday

KONTEC DIRECT
Short technical lectures in word & vision
*Please note that each KONTEC DIRECT short lecture will be presented twice during KONTEC 2017. Thus, if you miss a short lecture presentation due to scheduling reasons or lack of space in the lecture forum, you have the opportunity to attend the same lecture at another time. Details on the KONTEC DIRECT Short technical lectures’ program on Wednesday, March 22, 2017 and Thursday, March 23, 2017 are shown in this brochure each following the daily plenary paper program.
Please make use of the communication system (headphones and receivers) available for the audience at each lecture forum which will serve you as audio support in a noise loaded area. A simultaneous interpretation will be not be given for KONTEC DIRECT Short technical lectures.

Thursday, March 23.03.2017, 11.20 am – 12.30 pm
Panel 1 - Session 4

11.20 am  (Paper number 039) – Poster box 50
Carbon-14 release from irradiated stainless steel
Eva De Visser-Týnová, NRG Petten
10 minutes for handover

11.40 am  (Paper number 023) – Poster box 51
Implementation of the ESK-guideline in the VKTA radiation protection, analysis & disposal
Sabine Fleck, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
10 minutes for handover

12.00/ noon  (Paper number 031) – Poster box 52
Status of waste producer-specific material vectors in the Konrad material list
Dr. Karl Weis, Bundesamt für Strahlenschutz
10 minutes for handover

12.20 pm  (Paper number 082) – Poster box 53
Legitimation of on-site Disposal as an Option for Decommissioning of «NUCLEAR LEGACY» Objects
Andrei Sobolev, Radioactive waste management enterprise RosRAO
Thursday, March 23, 2017, 11.20 am – 12.30 pm
Panel 2 - Session 3
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Author/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.20 am</td>
<td>Laser decontamination of concrete- and metal surfaces</td>
<td>Georg Greifzu, TU Dresden, Professur für Wasserstoff- und Kernenergieotechnik</td>
</tr>
<tr>
<td>11.40 am</td>
<td>USER: Implementation of heavy metal farming for renewable energies on radionuclide-contaminated surfaces</td>
<td>Prof. Dr. Erika Kothe, Friedrich-Schiller-Universität Jena</td>
</tr>
<tr>
<td>12.00 noon</td>
<td>Waste treatment complex at the Nuclear Power Plant TIANWAN, China</td>
<td>Rainer Slametschka, NUKEM Technologies Engineering Services GmbH</td>
</tr>
<tr>
<td>12.20 pm</td>
<td>Logistic and civil engineering planning in the nuclear dismantling by means of 3D-CAD-Model</td>
<td>Mark Kritzmann, HOCHTIEF Engineering GmbH Consult IKS</td>
</tr>
<tr>
<td>02.00 pm</td>
<td>Mechanical and thermal tool loads in dry diamond wire sawing of steel</td>
<td>Lukas Tatzig, Leibniz Universität Hannover, Institut für Fertigungstechnik und Werkzeugmaschinen</td>
</tr>
<tr>
<td>02.20 pm</td>
<td>Introduction of various procedures when dismantling biological shields of research reactors</td>
<td>Dr. Carmen Isabella Krau, Siemelkamp NIS Ingenieursgesellschaft mbH</td>
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<tr>
<td>03.40 pm</td>
<td>Dismantling project Chemical Cells – The segmentation of a concrete shielding by means of the Dry Wire Sawing Method</td>
<td>Sonja Biermann, JEN Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH</td>
</tr>
<tr>
<td>04.00 pm</td>
<td>Demolition of the Biological Shield at the SVAFO R2 Research Reactor in Sweden</td>
<td>Niklas Bergh, Westinghouse Electric Sweden AB</td>
</tr>
</tbody>
</table>

Thursday, March 23, 2017, 02.00 pm – 02.30 pm
Panel 1 - Session 2

Thursday, March 23, 2017, 02.00 pm – 02.30 pm
Panel 2 - Session 1

Thursday, March 23, 2017, 03.40 pm – 04.10 pm
Panel 1 - Session 2
Thursday, March 23, 2017, 03.40 pm – 04.10 pm
Panel 2 - Session 1

03.40 pm
(Paper number 036) – Poster box 3
„Islands of Release“ when dismantling the Rossendorf Research Reactor
Sven Jansen, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
10 minutes for handover

04.00 pm
(Paper number 063) – Poster box 4
Experience from Dismantling, Decontamination and Release of Thick-Walled Casks and Containers
Philipp Diekmann, GNS Gesellschaft für Nuklear-Service mbH

Postersession
09.30 am - 06.00 pm
Postersession of all Sessions at the gallerires of ICD halls 1-5, restaurant and hall foyer

Technical Exhibition
09.30 am - 06.00 pm
Accompanying Technical Exhibition in the ICD halls 1-5, restaurant and hall foyer

08.00 pm
Special evening event „KONTEC 2017 Banquet“ in the ICD

Friday, March 24, 2017

Session 4: Transport, interim and final storage of non-heat generating wastes

Plenary Session

Session Chairpersons
Karin Kugel, Bundesamt für Strahlenschutz BfS
Olaf Oldiges, DAHER NUCLEAR TECHNOLOGIES GmbH

09.00 am
(Paper number 024)
Quality assurance of the data management for the Waste Flow Tracking and Product Control System AVK
Erik Kisant, JEN Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH
M. Beylebens, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH et. al.

09.20 am
(Paper number 005)
Platform KONRAD repository – The IT-tool for the call-off order logistic
Dr. Martin Imhäuser, GNS Gesellschaft für Nuklear-Service mbH

09.40 am
(Paper number 066)
Status of the repository preparation at the Public Authority – Report of the Konrad Office of Coordination
Iris Graffunder, Energiewerke Nord GmbH (EWN), Betriebsstätte Karlsruhe
10.00 am (Paper number 086)
Challenges and optimizing options for the qualification of casks for the Konrad repository
Dr. Eva Maria Kasparek, BAM Bundesanstalt für Materialforschung und -prüfung
Matthias Dittrich, BAM Bundesanstalt für Materialforschung und -prüfung
Dr. Holger Völzke, BAM Bundesanstalt für Materialforschung und -prüfung

10.20 am (Paper number 089)
Requirements for the use of elastomer seals in casks for final disposal of low and intermediate level waste
Matthias Jaunich, BAM Bundesanstalt für Materialforschung und -prüfung
Peter Hagenow, BAM Bundesanstalt für Materialforschung und -prüfung
Dr. Eva-Maria Kasparek, BAM Bundesanstalt für Materialforschung und -prüfung
Anja Kömmling, BAM Bundesanstalt für Materialforschung und -prüfung et. al.

10.40 am Coffee break

Session 4: Transport, interim and final storage of non-heat generating wastes

(Continuation)

Plenary Session

Session Chairpersons
Karin Kugel, Bundesamt für Strahlenschutz BFS
Dr. Hannes Wimmer, GNS Gesellschaft für Nuklear-Service mbH

11.10 am (Paper number 020)
Shielding optimization of a Type IP-2 package for low and intermediate level waste considering IAEA transport regulations
Luc Schlömer, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH
O. Ringleb, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH
S. Tittelbach, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH

11.30 am (Paper number 046)
Disposal of core-components: Assessment of the optimized packing strategy based on validated computational algorithms
Dr. Daniel Schaper, TÜV NORD EnSys GmbH & Co. KG
Helmut Stoffers, TÜV NORD EnSys GmbH & Co. KG
Dr. Ralf Ohlhof, TÜV NORD EnSys GmbH & Co. KG

11.50 am (Paper number 079)
Retrieval of the radioactive wastes from the mine Asse II – status of concept design of the 750m-level
Dr. Jens-Uwe Schmollack, TÜV Rheinland Industrie Service GmbH
Dirk Laske, Bundesamt für Strahlenschutz
Dr. Thomas Lohsers, Bundesamt für Strahlenschutz

12.10 pm (Paper number 073)
Safety evaluation for the treatment and final disposal of radioactive wastes at the „Vektor“ site in the Chernobyl Exclusion Zone
12.30 pm Conference conclusion and Awards for the Best 2017 Plenary, Poster and KONTEC DIRECT Short technical lecture
Michael Szukala, Chairman of KONTEC Program Committee

01.00 pm End of Plenary Sessions

Postersession

09.00 am - 01.00 pm Postersession of all Sessions at the gallerires of ICD halls 1-5, restaurant and hall foyer

Technical Exhibition

09.00 am - 01.00 pm Accompanying Technical Exhibition in the ICD halls 1-5, restaurant and hall foyer

01.00 pm End of the Conference

Postersessions Sessions 1-4 at the gallerires of ICD halls 1-5, restaurant and hall foyer

March 22, 2017 10.00 am – 06.00 pm
March 23, 2017 09.30 am – 06.00 pm
March 24, 2017 09.00 am – 01.00 pm

Session 1

Box 1: (Paper number 015) (also as KONTEC DIRECT short lecture)
Utilization of the Reactor Pressure Vessel of a Boiling Water Reactor
Dr. Niemna Buckanie, GNS Gesellschaft für Nuklear-Service mbH
Boris Westerwinter, GNS Gesellschaft für Nuklear-Service mbH

Box 2: (Paper number 016) (also as KONTEC DIRECT short lecture)
Off-site waste treatment during the final dismantling phase
Boris Westerwinter, GNS Gesellschaft für Nuklear-Service mbH

Box 3: (Paper number 036) (also as KONTEC DIRECT short lecture)
„Islands of Release” when dismantling the Rossendorf Research Reactor
Sven Jansen, VKTA Strahlenschutz, Analytik & Entsorgung Rossendorf e.V.
Frank Michael, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
Benjamin Johne, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.

Box 4: (Paper number 063) (also as KONTEC DIRECT short lecture)
Experience from Dismantling, Decontamination and Release of Thick-Walled Casks and Containers
Philipp Diekmann, GNS Gesellschaft für Nuklear-Service mbH
Andre Henning, GNS Gesellschaft für Nuklear-Service mbH
Falko Baecker, sat. Kerntechnik GmbH

Box 5: (Paper number 013)
Release measurement of radioactive contaminated soil and debris
Dr. Marina Sokcic-Kostic, NUKEM Technologies Engineering Services GmbH
Felix O. Langer, NUKEM Technologies Engineering Services GmbH
Ch. Klein, NUKEM Technologies Engineering Services GmbH
Roland Schultheis, NUKEM Technologies Engineering Services GmbH

Box 6: (Paper number 017)
Calculation of activation and validation for control rods from light water reactors as a basis for disposal
Jennifer Rose, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH
T. Mispagel, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH
Jörg Radzuweit, GNS Gesellschaft für Nuklear-Service mbH
Andreas Friske, GNS Gesellschaft für Nuklear-Service mbH

Box 7: (Paper number 018)
Enhancements based on validated activation calculations - ActiAtlas
Luc Schlömer, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH
P.-W. Philipp, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH

Box 8: (Paper number 019)
Dispersion calculations with the Gaussian plume model and a Lagrangian particle dispersion model for discharges of radioactive substances into the air
André Indenhuck, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH
O. Wallenfang, GNS Gesellschaft für Nuklear-Service mbH

Box 9: (Paper number 030)
Removal of Uranium from Soil Washing Solution
Jong-Won Choi, Korea Atomic Energy Research Institute, Decontamination and Decommissioning Technology Div.
Seung-Soo Kim, Korea Atomic Energy Research Institute, Decontamination and Decommissioning Technology Div.
Gyu-Seong Han, Korea Atomic Energy Research Institute, Decontamination and Decommissioning Technology Div.

Box 10: (Paper number 032)
Repository-compatible conditioning of radioactive components from a research reactor
Pascal Budriks, GNS Gesellschaft für Nuklear-Service mbH

Box 11: (Paper number 033)
Introduction of landfilling options for released wastes – using the example of castings –
Jessica Ambos, sat. Kerntechnik GmbH

Box 12: (Paper number 034)
Radiological characterization of decommissioning waste
Tanja Tomasberger, NRG Petten
Eva de Visser-Týnová, NRG Petten
Frits Moet, NRG Petten
Jan Kok, NRG Petten
Box 13:  
(Paper number 035)
Disposal of released residuals after dismantling of the Rossendorf Research Reactor (RFR)
Ricarda Langer, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
Petra Steinbach, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
Frank Michael, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.

Box 14:  
(Paper number 040)
Bridging the Gap: Residue Tracking for Decommissioning with RVR
Thorsten Schliephake, GNS Gesellschaft für Nuklear-Service mbH

Box 15:  
(Paper number 050)
Overview of Radioactive Waste Clearance in KOREA
Jeongken Lee, Korea Institute of Nuclear Safety (KINS)
Jungjoon Lee, Korea Institute of Nuclear Safety (KINS)
Jongkuk Lee, Korea Institute of Nuclear Safety (KINS)
Sangmyeon Ahn, Korea Institute of Nuclear Safety (KINS)

Box 16:  
(Paper number 054)
Quantitative determination of Ni-63 wipe tests by liquid scintillation analysis (LSA)
Sarah Wolf, Zentralstelle für radioaktiven Abfall (ZRA), Helmholtz-Zentrum Berlin für Materialien und Energie GmbH

Box 17:  
(Paper number 060)
Next Generation Dynamic Contamination Monitoring based on the FastTrack Technology
Dr. Tobias Baer, Mirion Technologies GmbH
Daan van Bree, Mirion Technologies GmbH
Christian Günther, Mirion Technologies GmbH

Box 18:  
(Paper number 067)
Konrad-compatible conditioning of the ANTARES-Shutter assembly group from the FRM II
Lutz Karbstein, Energiewerke Nord GmbH (EWN)
Dr. Anton Philipp Anthofer, TU Dresden, Fakultät Maschinenwesen, Institut für Energietechnik, Professur für Wasserstoff- und Kernenergietechnik
Ralf Borchardt, Energiewerke Nord GmbH
Dr. Herbert Reithmeier, TU München

Box 19:  
(Paper number 077)
Radiological characterization of radioactive waste produced at CERN
Matteo Magistris, CERN European Organization for Nuclear Research
Luca Bruno, CERN European Organization for Nuclear Research
Dr. Luisa Ulrici, CERN European Organization for Nuclear Research
Dr. Francesco Paolo La Torre, CERN European Organization for Nuclear Research et.al.

Box 20:  
(Paper number 093)
Insignificantly contaminated residuals from decommissioning and dismantling of nuclear facilities in Germany in view of their future disposal
Dr.-Ing. Gerd Bruhn, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH
Dr. Andreas Artmann, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH

Box 21:  
(Paper number 100)
Strategic aspects on Waste Management in NPP Decommissioning
Niklas Bergh, Westinghouse Electric Sweden AB
Thom Rannemalm, OKG Oskarshamn Nuclear Power Plant
Sofia Eliasson, OKG Oskarshamn Nuclear Power Plant
Box 22: (Paper number 101)
**HZ 6 - complete renewal of a Hot Cell at PSI**
Dr. Frank Schauermann, NUKEM Technologies Engineering Services GmbH
T. Krudivg, NUKEM Technologies Engineering Services GmbH
D. Kuster, Paul-Scherrer Institut

Box 23: (Paper number 102) - BMBF
PROcess of Radioactive MERcury Treatment under EU Safety Standards - PROMETEUS
Dr. John Kettler, Aachen Institute for Nuclear Training (AiNT) GmbH
Dr. Andreas Havenith, Aachen Institute for Nuclear Training (AiNT) GmbH
Marius Hirsch, Aachen Institute for Nuclear Training (AiNT) GmbH
Chantal Greul, Aachen Institute for Nuclear Training (AiNT) GmbH
et.al.

Session 2

Box 24: (Paper number 007) - BMBF
(also as KONTEC DIRECT short lecture)
**Mechanical and thermal tool loads in dry diamond wire sawing of steel**
Lukas Tatzig, Leibniz Universität Hannover, Institut für Fertigungstechnik und Werkzeugmaschinen
Prof. Dr.-Ing. Berend Denkena, Leibniz Universität Hannover, Institut für Fertigungstechnik und Werkzeugmaschinen IFW, PZH
Dr.-Ing. Thilo Grove, Leibniz Universität Hannover, Institut für Fertigungstechnik und Werkzeugmaschinen IFW, PZH

Box 25: (Paper number 061)
(also as KONTEC DIRECT short lecture)
**Introduction of various procedures when dismantling biological shields of research reactors**
Dr. Carmen Isabella Krau, Siempelkamp NIS Ingenieurgesellschaft mbH
Wolfgang-Bruno Huber, Siempelkamp NIS Ingenieurgesellschaft mbH

Box 26: (Paper number 076)
(also as KONTEC DIRECT short lecture)
**Dismantling project Chemical Cells – The segmentation of a concrete shielding by means of the Dry Wire Sawing Method**
Sonja Biermann, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
E. Pohl, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
Doris Bensch, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
P. Pracht, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
et.al.

Box 27: (Paper number 095)
(also as KONTEC DIRECT short lecture)
**Demolition of the Biological Shield at the SVAFO R2 Research Reactor in Sweden**
Niklas Bergh, Westinghouse Electric Sweden AB

Box 28: (Paper number 006)
**Remote Decontamination of the Storage Vessels in Building 105X and 122X at the BELGOPROCESS Site**
Bart Eerdekens, Belgoprocess
Box 29: (Paper number 028)
Testing the remote controlled dismantling of the VEK-melter on PVA mock-up
Dr. Marco Klipfel, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH
Thomas Eberhard, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH
Christian Held, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH

Box 30: (Paper number 038)
The dismantling of the KNK containment as well as the disposal and the clearance according to § 29 StrlSchV
Sina Hunzinger, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH
Oliver Fath, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH

Box 31: (Paper number 042)
Expertise preservation against the background of the upcoming decommissioning and disposal projects – Knowledge management at the TÜV NORD group
Holger Tobergte, TÜV NORD EnSys GmbH & Co. KG

Box 32: (Paper number 055)
Development of the Licensing Procedure of Decommissioning for the Spent Fuel Storage facility in Korea
Daesik Yook, Korea Institute of Nuclear Safety (KINS)
Ho Jin Lee, Korea Institute of Nuclear Safety (KINS)
Dongkeuk Park, Korea Institute of Nuclear Safety (KINS)

Box 33: (Paper number 058)
A new criticality safety optimization method for nuclear power plant spent fuel pool defuelling and decommissioning
Dr. Imrich Fabry, Siempelkamp NIS Ingenieurgesellschaft mbH
M. Schwarz, Siempelkamp NIS Ingenieurgesellschaft mbH

Box 34: (Paper number 068)
Experiences with the demolition of the vent stack of the Nuclear Power Plant Greifswald’s Factory I
Ralf Borchardt, Energiewerke Nord GmbH (EWN)
Ronald Zimmer, Energiewerke Nord GmbH (EWN)

Box 35: (Paper number 074)
The last insertion – Removal and segmentation of the „Cold“ Neutron Source SV 5 of the Research Reactor FRJ-2 (DIDO)
Stephan Werbelow, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
Wilhelm Dohmen, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
Burkhard Stahn, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
Rudolf-Josef Printz, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
et.al.

Box 36: (Paper number 075)
The end of an accelerator – Dismantling of the nuclear fusion experiment TEXTOR
Robert Graupe, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
Doris Bensch, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
P. Pracht, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
E. Pohl, Jülicher Entsorgungsgesellschaft für Nuklearanlagen (JEN) mbH
et.al.
Session 3

Box 37: (Paper number 011) - BMBF
(also as KONTEC DIRECT short lecture)
Laser decontamination of concrete- and metal surfaces
Georg Greifzu, TU Dresden, Professur für Wasserstoff- und Kernenergietechnik
Prof. Dr.-Ing. habil. Antonio Hurtado, TU Dresden, Fakultät Maschinenwesen, Institut für Energie-technik, Professur für Wasserstoff- und Kernenergietechnik
Dr. Anton Philipp Anthofer, TU Dresden, Fakultät Maschinenwesen, Institut für Energie-technik, Professur für Wasserstoff- und Kernenergietechnik
Dr. Wolfgang Lippmann, TU Dresden, Fakultät Maschinenwesen, Institut für Energie-technik, Professur für Wasserstoff- und Kernenergietechnik et.al.

Box 38: (Paper number 044)
(also as KONTEC DIRECT short lecture)
USER: Implementation of heavy metal farming for renewable energies on radionuclide-contaminated surfaces
Prof. Dr. Erika Kothe, Friedrich-Schiller-Universität Jena

Box 39: (Paper number 021)
(also as KONTEC DIRECT short lecture)
Waste treatment complex at the Nuclear Power Plant TIANWAN, China
Rainer Slametschka, NUKEM Technologies Engineering Services GmbH

Box 40: (Paper number 105)
(also as KONTEC DIRECT short lecture)
Logistic and civil engineering planning in the nuclear dismantling by means of 3D-CAD-Model
Mark Kritzmann, HOCHTIEF Engineering GmbH Consult IKS
Frank Schulze, HOCHTIEF Engineering GmbH
Rüdiger Holtkamp, HOCHTIEF Engineering GmbH
Dr. Julian Meyer, HOCHTIEF Engineering GmbH

Box 41: (Paper number 009)
Virtual Reality Applications in Decommissioning Planning and Training
Prof. Dr. Ulrich W. Scherer, Hochschule Mannheim, Kompetenzzentrum Virtual Reality Rhein-Neckar

Box 42: (Paper number 014) - BMBF
Recyclability of metals when dismantling nuclear facilities
Dr. Frank Charlier, RWTH Aachen University, NET - Nukleare Entsorgung und Techniktransfer

Box 43: (Paper number 026)
Virtual Reality Training (VRT) – Safety in Dismantling of Nuclear Facilities by Virtual Training
Timo Liedtke, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH
Wolfgang Metzger, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH
Christian Held, WAK Wiederaufarbeitungsanlage Karlsruhe Rückbau- und Entsorgungs-GmbH

Box 44: (Paper number 043)
Reconstruction of the MAW-scraping facility of the WAK GmbH/ Main Department Decontamination Workshops (Hauptabteilung Dekontaminationsbetriebe)
Box 45: (Paper number 056) - BMBF
Combining bioremediation methods with bioenergy production at field scale
Daniel Mirgorodsky, Friedrich-Schiller-Universität Jena, Institut für Geowissenschaften
A. Märtens, Friedrich-Schiller-Universität Jena, Institut für Geowissenschaften
M. Riefenstahl, Friedrich-Schiller-Universität Jena, Institut für Geowissenschaften
Dr. Dirk Merten, Friedrich-Schiller-Universität Jena, Institut für Geowissenschaften
et.al.

Box 46: (Paper number 065)
Process qualification for the drying of evaporator concentrates in the In-drum-drying-facility of the Nuclear Power Plant Greifswald (KGR)
Stephan Peter Kate, Energiewerke Nord GmbH (EWN)
Klaus Borchardt, Energiewerke Nord GmbH (EWN)
R. Helzel, Energiewerke Nord GmbH (EWN)
Dr. Cornelia Rittmeyer, Energiewerke Nord GmbH (EWN)

Box 47: (Paper number 084)
Decommissioning as a Stimulus for Renewing of «Traditional» Technology for NPPs Liquid Waste Treatment
Andrei Sobolev, Radioactive waste management enterprise RosRAO
A. S. Chugunov, Radioactive waste management enterprise RosRAO
A. F. Nechaev, Radioactive waste management enterprise RosRAO
V. A. Vinnitskii, Radioactive waste management enterprise RosRAO

Box 48: (Paper number 090)
Mobile Supercompactor in the operation and dismantling of nuclear plants
Anton Kastner, Westinghouse Electric Germany GmbH
Jens Horlemann, Westinghouse Electric Germany GmbH

Box 49: (Paper number 098)
Safe transport of containers with low radioactive material using an automated transport system
Jan Lederer, IEM Fördertechnik GmbH

Session 4

Box 50: (Paper number 039)
(also as KONTEC DIRECT short lecture)
Carbon-14 release from irradiated stainless steel
Eva De Visser-Týnová, NRG Petten
M. P. Stijkel, NRG
S. W. Swanton, AMEC Foster Wheeler
S. J. Williams, Radioactive Waste Management et.al.

Box 51: (Paper number 023)
(also as KONTEC DIRECT short lecture)
Implementation of the ESK-guideline in the VKTA radiation protection, analysis & disposal Rosendorf e.V.
Sabine Fleck, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
Gregor Beger, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
Christel Herzog, VKTA - Strahlenschutz, Analytik und Entsorgung Rossendorf e.V.
Box 52:  
(Paper number 031)  
(also as KONTEC DIRECT short lecture)  
Status of waste producer-specific material vectors in the Konrad material list  
Dr. Karl Weis, Bundesamt für Strahlenschutz  
Karín Kugel, Bundesamt für Strahlenschutz  
Wilma Boetsch, TÜV Rheinland ISTec GmbH  
Claudia Haider, TÜV Rheinland ISTec GmbH  
et.al.

Box 53:  
(Paper number 082)  
(also as KONTEC DIRECT short lecture)  
Legitimation of On-Site Disposal as an Option for Decommissioning of «NUCLEAR LEGACY» Objects  
Andrei Sobolev, Radioactive waste management enterprise RosRAO  
A. F. Nechaev, Radioactive waste management enterprise RosRAO  
I. V. Smirnov, Radioactive waste management enterprise RosRAO

Box 54:  
(Paper number 025)  
Synthesis and Leaching of cement-based Drum-Dryer Product Pellets in a Laboratory Scale  
Dr. Henrik Daniels, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH  
H. Wortmann, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH  
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH  
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH  
et.al.

Box 55:  
(Paper number 037)  
Repository-compatible conditioning of waste - compliance with the APG02 requirements  
Melanie Schmidt, GNS Gesellschaft für Nuklear-Service mbH  
Martina Kößler, GNS Gesellschaft für Nuklear-Service mbH

Box 56:  
(Paper number 041) - BMBF  
Identification and quantification of beta emitters for nondestructive characterization of radioactive waste packages  
Marek Blaszczyński, TU München, Radiochemie München RCM  
Dr. Thomas Bücherl, TU München, Radiochemie München RCM

Box 57:  
(Paper number 080)  
Radiation protection at the mine Asse II – from the mining law to the nuclear law  
Dr. Florian Voigt, Bundesamt für Strahlenschutz  
Dr. Volker Kunze, Bundesamt für Strahlenschutz

Box 58:  
(Paper number 087)  
Central Data Processing Landscape for Nuclear Residual Materials and Waste  
Friedrich Bauriedel, GNS Gesellschaft für Nuklear-Service mbH

Box 59:  
(Paper number 088)  
Forged steel as the new container material for the final disposal of low- and intermediate-level radioactive wastes for the KONRAD repository  
Mathias Hoffmann, BAM Bundesanstalt für Materialforschung und -prüfung  
Dr. Eva-Maria Kasparek, BAM Bundesanstalt für Materialforschung und -prüfung  
Dr. Holger Völzke, BAM Bundesanstalt für Materialforschung und -prüfung
Technical Exhibition in the ICD halls 1-5, restaurant and hall foyer

March 22, 2017  10.00 am – 10.00 pm
March 23, 2017  09.30 am – 06.00 pm
March 24, 2017  09.00 am – 01.00 pm

Exhibitors
(as per 11/2016)

ABREX Geräte- und Anlagenbau GmbH
Alpin Technik und Ingenieurservice GmbH
ANT Applied New Technologies AG
AREVA GmbH
ATKINS
August Albom GmbH & Co. KG
BABCOCK NOELL GmbH
Baltic Scientific Instruments Ltd.
BERTHOLD TECHNOLOGIES GmbH & Co. KG
BIG ENTSORGUNGS-TECHNOLOGIEN GmbH
Brenk Systemplanung GmbH
CYCLIFE SWEDEN AB
Container d.o.o. Slowenien
DAHER NUCLEAR TECHNOLOGIES GmbH
Darda GmbH (BROKK AB)
DBE TECHNOLOGY GmbH
DREHTAINER GmbH
Eckert & Ziegler Umwelttechnik GmbH
Eisenwerk Bassum mbH
EKSOB Ltd
Energiereferat Nord GmbH
Gamma Service Recycling GmbH
GNS Gesellschaft für Nuklear-Service mbH
GRADEL SARL (Lu)
Hilti Deutschland AG
HOCHTIEF Solutions AG
IABG mbH
IEM FörderTechnik GmbH
Institut für Werkstoffkunde der Leibniz Universität Hannover
JEN Jülicher Entsorgungsgesellschaft mbH
JL Goslar GmbH
KAH Kraftanlagen Heidelberg GmbH
Karlsruher Institut für Technologie KIT/ BMBF
Kjellberg Finsterwalde Plasma und Maschinen GmbH
KRAFTWERKSSCHULE E.V.
Liesse GmbH
Maschinen-Meyer GmbH & Co. KG
Mirion Technologies GmbH
MAMMOET Deutschland GmbH
NucTecSolutions GmbH
NUKEM Technologies Engineering Services GmbH
Pedi AG
Röhr + Stolberg GmbH
ROTAN GmbH
RST GmbH
S.E.A. GmbH
sat.Kerntechnik GmbH
Siempelkamp NIS Ingenieurgesellschaft mbH
SOCODEI
Stadler + Schaaf Kraftwerk- und Industrieservice GmbH
STAUBLI TEC-SYSTEMS GmbH CONNECTORS
STEAG Energy Services GmbH
Studevik GmbH & Co. KG
Tecnubel NV
TÜV NORD EnSys GmbH & Co. KG
TÜV Rheinland Industrie Service GmbH
TÜV SÜD Industrie Service GmbH
Tyrodit GmbH
Uniper Anlagenservice GmbH
UniTech Services GmbH
VakTec Messtechnik GmbH
VKTA Dresden
Voith Industrial Services GmbH & Co. KG
Wagenborg Nedlift
WAK Rückbau- und Entsorgungs GmbH
Wälishmiller Engineering GmbH
Weber Unternehmensgruppe GmbH & Co. KG
Westinghouse Electric Germany GmbH
WIKUS-Sägenfabrik Wilhelm H. Kullmann GmbH & Co. KG

KONTEC 2017 Internet Spot

Also at KONTEC 2017 an Internet spot will be established within the Technical Exhibition, in the area of the restaurant, to allow our attendees access to the internet free of charge.

KONTEC CAMPUS

Within the project KONTEC CAMPUS pre-selected students from university departments related to the nuclear industry will have the possibility to attend the KONTEC 2017 thanks to the support from famous nuclear companies. Besides seeing the plenary and poster presentations the students can take the opportunity to talk to nuclear industry experts. During tours through the KONTEC 2017 Technical Exhibition guides will show them the exhibitors’ delivery and performance scope and the exhibitors will have the chance to establish contact to the new nuclear generation.

Should your company also be interested in supporting KONTEC CAMPUS please contact us contact@kontec-mannheim.de.

Participation and Payment Terms

Conference location
MARITIM Hotel & Internationales Congress Center Dresden

Organizer
Kontec – Gesellschaft für technische Kommunikation mbH

Coordination of event
atm Gesellschaft für aktives technisches Marketing GmbH
Willhoop 3, 22453 Hamburg, Germany
Telephone: +49/40/228137790 – Telefax: +49/40/228137799
e-mail: contact@kontec-mannheim.de
Internet: www.kontec2017.de
Registration for participation must be made in written to atm GmbH using the enclosed registration form or online www.kontec2017.de. Incoming registration forms will be handled and confirmed in the order of their receipt. The registration will be binding. The participant agrees to the herein stated terms when registering for the conference.

### Conference Fees

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>regular participants</td>
<td>€ 830,- plus VAT</td>
</tr>
<tr>
<td>students(^1)</td>
<td>€ 150,- plus VAT</td>
</tr>
<tr>
<td>pensioners/ retirees(^1)</td>
<td>€ 360,- plus VAT</td>
</tr>
</tbody>
</table>

The conference fee is due with the registration.

\(^1\) a proof is requested (i.e. a photocopy of student or pensioner card)

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Please register early!

- For registration until January 09, 2017 a fee discount is granted. Fees for Early Birds are only:
  - regular participants only: € 770,- plus VAT
  - pensioners/ retirees only: € 320,- plus VAT

The conference fee comprises simultaneous translation of the plenary papers in English, headseats for the duration of the conference, break drinks, snacks, lunches during the conference, audio head sets for KONTEC DIRECT short lectures for the duration of the conference, evening event KONTEC 2017 banquet, conference documents as well as one copy of the conference proceeding on a flashdrive in business card format.

### Cancellation

Registration change for an alternative participant must be done in writing and will be free of charge at any time. Cancellation must be made in writing before January 9, 2017 and will carry a € 80,- plus VAT administration charge. It is regretted that no refunds will be made after January 9, 2017.

### Payment Terms

The conference fee is payable on receipt of invoice without any deduction.

Please transfer the stated invoice amount only after receipt of our invoice. Please refer to our invoice number when you do the payment. As shown on the enclosed registration form, the payment can be made by bank transfer only. Should you register on short notice prior to the conference you can even pay by cash on site at Dresden.

Cash checks or collection only checks are not acceptable.

In case of a bank transfer from a foreign country, the participant must make sure that no deductions due to any additional fees will occur to atm GmbH. If need be, the participant must pay for any fees due to a foreign bank transfer.

### Invoice Address

Please make sure to state your correct invoice address or if need be any internal remarks like order number on your registration form to avoid an, if need be, amendment/ rewriting of an invoice. Thank You.

### Hotel

Block bookings for KONTEC 2017 are agreed with the conference hotel as well as with several alternate nearby hotels with various price categories.

Please make your room reservation online by using the link under “hotel reservation” on www.kontec2017.de. You will find details there about all selected hotels including prices and room availability.

After completion of your online reservation process you will receive a reservation confirmation by email or telefax directly from your selected hotel.
Program subject to alteration.