KONTEC *DIREKT*
Short technical lectures in word & vision

KONTEC 2019

Invitation to attend with preliminary program

14th International Symposium „Conditioning of Radioactive Operational & Decommissioning Wastes“

including
14th Status Report of BMBF
„Decommissioning and Dismantling of Nuclear Facilities“

March 27 – March 29, 2019

MARITIM
Hotel & Internationales Congress Center Dresden

Organizer

KONTEC
Gesellschaft für technische Kommunikation mbH

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 MARITIM Internationales Congress Center Dresden (ICD) on the terrace level and will be opened as follows:

Tuesday	March 26, 2019	06.00 pm – 08.00 pm
Wednesday	March 27, 2019	08.00 am – 06.30 pm
Thursday	March 28, 2019	08.00 am – 06.30 pm
Friday	March 29, 2019	08.00 am – 02.00 pm

Wardrobe/ Cloakroom:

Warderobe/ 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.

Wednesday	March 27, 2019	09.00 am – 10.30 pm
Thursday	March 28, 2019	08.30 am – Friday, 00.30 am
Friday	March 29, 2019	08.30 am – 02.00 pm

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 2019 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:

Olaf Oldiges	DAHER NUCLEAR TECHNOLOGIES GmbH	Hanau

Vice-Chairman:

Dr. Bernhard Wiechers	Westinghouse Electric Germany GmbH	Mannheim

Program Committee Members:

Frank Apel	Kraftanlagen Heidelberg GmbH	Heidelberg
Michael Bächler	Uniper Technologies GmbH	Brunsbüttel
Detlef Beltz	TÜV NORD EnSys GmbH & Co. KG	Hannover
Dr. Guido Caspary	JEN Jülicher Entsorgungs-gesellschaft für Nuklearanlagen mbH	Jülich
Anja Graf	EnBW Kernkraft GmbH/KKP	Philippsburg
Burkhard Hartmann	Gesellschaft für nukleares Reststoffrecycling mbH (GNR)	Obrigheim
Dr. Thomas Hassel	Unterwassertechnikum Hannover/ Leibniz Universität Hannover - Institut für Werkstoffkunde	Hannover
Stefan Klute	BKW Energie AG	Bern (CH)
Stephan Krüger	PreussenElektra GmbH	Hannover
Heike Merx	Kerntechnische Entsorgung Karlsruhe GmbH	Eggenstein-Leopolds-hafen
Rudolf Printz	JEN Jülicher Entsorgungs-gesellschaft für Nuklearanlagen mbH	Jülich
Andreas Roth	Atkins Energy Germany GmbH	Hamburg
Dr. Frank Schartmann	Brenk Systemplanung GmbH	Aachen
Dr. Holger Spann	GNS Gesellschaft für Nuklear-Service mbH	Essen
Dr. Katharina Stummeyer	Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH	Köln
Dr. Ralf Versemann	RWE Nuclear GmbH	Essen
Dr. Aldo Weber	Siempelkamp NIS Ingenieurgesellschaft mbH	Alzenau
Dr. Hannes Wimmer	GNS Gesellschaft für Nuklear-Service mbH	Essen

Background and General Conference

Since 1993 the KONTEC symposium takes place in spring every 2 years to regularly convene power plant operating experts, equipment manufacturing experts, service providers as well as thirdparty experts and authorities representatives to share information and experience. After the first KONTEC events in 1993-1999 at the Congress Center Hamburg (CCH), during which the KONTEC established itself as an international conference and the symposium program with the main topics “Conditioning of 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 has been and still is the venue for every successful KONTEC event.

Since the last KONTEC in spring of 2017, major changes in the responsibility for nuclear waste management have been implemented. In summer of 2017 the "Law on the Reorganization of Nuclear Waste Management" came into affect, and consequently the utilities were obliged to transfer provisions of E 24.1 billion to the federal government. In return, the federal government takes over responsibility for the fuel element storage facilities with the CASTOR casks (beginning of 2019) and for Konrad-accepted packages in the interim storage facilities (beginning of 2020). The storages in Ahaus and Gorleben already are within responsibility of the federal government with the founding of the "Bundesgesellschaft für Zwischenlagerung (BGZ)" on August 01, 2017.

As a result, utilities can now increasingly focus on the actual dismantling and final disposal of the resulting radioactive waste. Although this task is largely regarded as technically resolved, there is still a great deal of interest among the utilities in improving processes and measures to increase efficiency and reduce costs in decommissioning projects.

Since 2003, KONTEC has provided the platform for the status report of the Federal Ministry of Education and Research BMBF on research projects entitled "Decommissioning and Dismantling of Nuclear Facilities". For the BMBF, the Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH has taken over the coordination and support of the funded projects as project promoter. Also at KONTEC 2019, contributions from the BMBF funding program will be presented in relevant sessions of the conference.

All KONTEC staff that is responsible for the organisation, preparation and performance of the event and the members of the program committee liaise with industry representatives on a regular basis, ensuring that the framework and the content of the event are upto-date, considering current developments, circumstances and requirements.
The MARITIM Hotel & Internationales Congress Center Dresden provides an extremely suitable platform for a diversified and interesting KONTEC.

The successful format of the symposium will also be retained at KONTEC 2019 in its proven form. In addition to the plenary sessions, the poster session and the short technical lectures in word & vision will be presented under the title KONTEC DIRECT. The numerous plenary- and poster presentations will give an extensive overview about experiences, requirements and innovations in the conditioning of radioactive operational and decommissioning wastes.

The papers presented on “Decommissioning and Dismantling of Nuclear Facilities” (14th Status Seminar of BMBF) will be fully integrated into KONTEC

2019. The program will further be complemented through technical contributions by invited speakers on general topics.

Conference language is German or English (simultaneous interpretation German/English and English/German will be provided).

One additional important feature of the KONTEC symposium is the technical exhibition which takes place in close proximity at the same time. On more than 1200 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 provided. Times when to present the short technical lectures during the KONTEC 2019 will be selected by the program committee and will be allowed to the KONTEC DIRECT speakers. The speakers will do their presentation twice during the KONTEC 2019. A corresponding note will be given in the invitation brochure with preliminary program.

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 27, 2019

10.00 am – 10.20 am	Welcome and Opening of KONTEC 2019
10.20 am – 01.00 pm	Plenary Session 3
01.00 pm – 02.00 pm	Lunch break
02.00 pm – 04.00 pm	Plenary Session 3
04.00 pm – 04.30 pm	Coffee break
04.30 pm – 05.50 pm	Plenary Session 3
11.50 am – 01.00 pm	KONTEC *DIRECT* short lectures * Panel 1: Session 1/Panel 2: Session 2
02.30 pm – 03.00 pm	KONTEC *DIRECT* short lectures Panel 1: Session 2/Panel 2: Session 2
02.30 pm – 03.10 pm	KONTEC *DIRECT* short lectures Panel 1: Session 2/Panel 2: Session 1
10.00 am – 06.00 pm	Postersessions of all Sessions
10.00 am – 10.00 pm **	Technical Exhibition

*Please note that each KONTEC *DIRECT* short lecture will be presented twice during KONTEC 2019. 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 27, 2019 and Thursday, March 28, 2019 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 27, 2019 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 2019 attendees warmly for a visit.

Thursday, March 28, 2019

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 2
11.20 am – 11.50 am	KONTEC *DIRECT* short lectures Panel 1: Session 2/Panel 2: Session 3
12.00 am – 00.30 pm	KONTEC *DIRECT* short lectures Panel 1: Session 3/Panel 2: Session 1
02.00 pm – 04.10 pm	KONTEC *DIRECT* short lectures Panel 1: Session 3/Panel 2: Session 3
09.30 am – 06.00 pm	Postersessions of all Sessions
09.30 am – 06.00 pm	Technical Exhibition
08.00 pm – ca. 00.00 pm	„KONTEC 2019 Banquet"

Continuation

Friday, March 29, 2019

09.00 am – 10.20 am	Plenary Session 1
10.40 am – 11.10 am	Coffee break
11.10 am – 00.30 pm	Plenary Session 1
00.30 pm – 01.00 pm	Conclusion and Awards for the Best 2019 Poster and KONTEC *DIRECT* short lecture
01.00 pm	End of Plenary Sessions
09.00 am – 00.30 pm	Postersessions of all Sessions
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 27, 2019 and Thursday, March 28, 2019 are shown each following the daily plenary paper program).

Wednesday, March 27, 2019

Plenary Session

10.00 am *Welcome and opening of the conference*
Olaf Oldiges, Vorsitzender des KONTEC Programmausschusses

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

Session 3: Decommissioning and dismantling of nuclear facilities

Plenary Session

Session Chairpersons: **Anja Graf, EnBW Kernkraft GmbH/KKP**
Stefan Klute, BKW Energie AG

10.20 am (Paper number 070)
EnBW: The way from planning to operational decommissioning
Axel Brühl, EnBW Kernkraft GmbH
Frank Bolles, EnBW Kernkraft GmbH

10.50 am (Paper number 117)
Successful reactor vessel internals segmentation projects in Germany and Sweden
Joseph Boucau, Westinghouse Electric Company
Dirk Förster, GNS Gesellschaft für Nuclear-Service mbH
Sebastian Gnieser, Westinghouse Electric Germany GmbH
et al.

11.20 am (Paper number 033)
D & D of a large waste treatment plant in Duisburg, Germany
Philipp Diekmann, GNS Gesellschaft für Nuclear-Service mbH
André Henning, GNS Gesellschaft für Nuclear-Service mbH
Dr. Holger Spann, GNS Gesellschaft für Nuclear-Service mbH

11.50 am (Paper number 114 [005/112])
Decommissioning Projects at the Seibersdorf Campus – Safeguards Analytical Laboratory of IAEA and Storage Cells "Strahlenquellenbunker"
Christian Lechner, Nuclear Engineering Seibersdorf GmbH
Gerald Ernst, Nuclear Engineering Seibersdorf GmbH

00.10 pm (Paper number 050)
Demolition of the Biological Shield at the SVAFO R2 Research Reaktor in Sweden
Niklas Bergh, Westinghouse Electric Company

00.40 pm (Paper number 009)
The new building contract law 2018: Curse or blessing for (anti-) claim management measures?
Dr. Thomas Rütten, Kappelmann und Partner Rechtsanwälte mbB

01.00 pm Lunch break

Session 3: Decommissioning and dismantling of nuclear facilities

Plenary Session

Session Chairpersons: Dr. Ralf Versemann, RWE Nuclear GmbH
Michael Bächler, Uniper Technologies GmbH

02.00 pm (Paper number 059)
NPP Biblis - Two years dismantling
Horst Kemmeter, RWE Nuclear GmbH

02.30 pm (Paper number 113)
First approval process for decommissioning a power reactor in Switzerland
Stefan Klute, BKW Engergie AG
Dr. Philipp Hänggi, BKW Engergie AG
Dr. Patrick Miazza, BKW Engergie AG
Joachim Dux, BKW Engergie AGN

03.00 pm (Paper number 072)
Dismantling of the Large Components of the Bohunice V1 Reactor Soolant System: Upfront Preparation Activities
Joseph Boucau, Westinghouse Electric Company
Moises Sanchez, Westinghouse Electric Spain
Victor Organai, Westinghouse Electric Spain
Per Segerud, Westinghouse Electric Sweden

03.30 pm (Paper number 115)
PreussenElektra: Portfolio planning and steering of decommissioning PreussenElektra's Nuclear fleet
Tammo Wetjen, PreussenElektra GmbH
Peter Dietterle, PreussenElektra GmbH
et al.

04.00 pm Coffee break

Session 3: Decommissioning and dismantling of nuclear facilities

Plenary Session

Session Chairpersons: Dr. Ralf Versemann, RWE Nuclear GmbH
Michael Bächler, Uniper Technologies GmbH

04.30 pm (Paper number 043)
Full System Decontamination at PWR Biblis Unit A + B with ASDOC_D-MOD-process
Anna Prüllage, Siempelkamp NIS Ingenieurgesellschaft mbH
Markus Thoma, Siempelkamp NIS Ingenieurgesellschaft mbH
Laura Schneider, Siempelkamp NIS Ingenieurgesellschaft mbH
Hartmut Runge, Siempelkamp NIS Ingenieurgesellschaft mbH
et al.

(Continuation)

04.50 pm (Paper number 041)
Sherlock - Decontamination of a Stream Generator from a 900 MWe NPP using the Oxyred Dur process
Auguste Chaneac, Orano DS

05.10 pm (Paper number 116)
Decontamination of a Steam Generator at the former Greifswald NPP
Karsten Schmidt, EWN Entsorgungswerk für Nuklearanlagen GmbH
Marc Brenneisen, Westinghouse Electric Germany GmbH

05.30 pm (Paper number 029)
Recent Experiences by the Application of Full System Decontamination in PWRs with Steam Generators Containing High Nickel Content Alloys
Dr. Christian Topf, Framatome GmbH
Luis Sempere Belda, Framatome GmbH
Moreira do Amaral, Framatome GmbH

05.50 pm End of Plenary Session on Wednesday

KONTEC *DIRECT* Short technical lectures in word & vision

Hall Foyer ICD near Galleries 3 and 4

27. March 2019 11.50 am – 03.40 pm
28. March 2019 11.20 am – 04.10 pm

Wednesday, 27. March 2019, 11.50 am – 01.00 pm
Panel 1 - Session 1

11.50 am (Paper number 046) – Poster Box 57
Process optimization and scale augmentation in the electrochemical total oxidation of liquid organic C-14 wastes for transfer to C-14-CaCo3
Hans-Jürgen Friedrich, Fraunhofer IKTS

10 minutes for handover

00.10 pm (Paper number 062) – Poster Box 58
Further development of a separation procedure for the treatment of secondary waste from the water-abrasive suspension cutting technique
Alexander Heneka, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)

10 minutes for handover

00.30 pm (Paper number 079) – Poster Box 59
CO2 Blasting for Dose Reduction in a Hot Cell System
Judith Caroline Westphal, Idaho National Laboratory - Batelle Energy Alliance

10 minutes for handover

(Continuation)

00.50 pm (Paper number 089) – Box 60
Dry wire grinding of steel with sintered CBN tools
Christian Heller, Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) der Leibniz Universität Hannover

Wednesday, 27. March 2019, 11.50 am – 01.00 pm
Panel 2 - Session 2

11.50 am (Vortagsnummer 053) – Poster Box 53
The documentation system for final disposal of radioactive waste at JEN
Ralph Risch, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

10 minutes for handover

00.10 pm (Paper number 055) – Poster Box 54
Mobile gas sampling and gas analysis of waste drums and Konrad containers
Dr. Bastian Niedrée, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

10 minutes for handover

00.30 pm (Paper number 058) – Poster Box 55
Planning, implementation and reporting of accompanying inspections of qualified waste conditioning processes at JEN mbH
Dr. Katharina Breunig, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

10 minutes for handover

00.50 pm (Paper number 064) – Poster Box 56
Development of a declaration system for the FRJ-1 research reactor at Jülich Research Centre
Thomas Mispagel, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

Wednesday, 27. March 2019, 02.30 pm – 03.40 pm
Panel 1 - Session 2

02.30 pm (Paper number 053) – Poster Box 53
The documentation system for final disposal of radioactive waste at JEN
Ralph Risch, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

10 minutes for handover

02.50 pm (Paper number 055) – Poster Box 54
Mobile gas sampling and gas analysis of waste drums and Konrad containers
Dr. Bastian Niedrée, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

10 minutes for handover

(Continuation)

03.10 pm (Paper number 058) – Poster Box 55
Planning, implementation and reporting of accompanying inspections of qualified waste conditioning processes at JEN mbH
Dr. Katharina Breunig, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

10 minutes for handover

03.30 pm (Paper number 064) – Poster Box 56
Development of a declaration system for the FRJ-1 research reactor at Jülich Research Centre
Thomas Mispagel, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

Wednesday, 27. March 2019, 02.30 pm – 03.00 pm
Panel 2 - Session 2

02.30 pm (Paper number 039) – Poster Box 51
KONEKT: A concept study on the safe management of irradiated beryllium from research reactors
Dr. Natalia Daniels, Forschungszentrum Jülich GmbH

10 minutes for handover

02.50 pm (Paper number 042) – Poster Box 52
The performance tests of the solidified ion exchange bead resins using SIAL® matrix
Wei-Hsiang Lin, Institute of Nuclear Energy Research

Wednesday, 27. March 2019, 03.10 pm – 03.40 pm
Panel 2 - Session 1

03.10 pm (Paper number 089) – Poster Box 60
Dry wire grinding of steel with sintered CBN tools
Christian Heller, Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) der Leibniz Universität Hannover

10 minutes for handover

03.30 pm (Paper number 079) – Poster Box 59
Blasting for Dose Reduction in a Hot Cell System
Judith Caroline Westphal, Idaho National Laboratory - Batelle Energy Alliance

Postersession

10.00 am - 06.00 pm **Postersession of all Sessions at the Galleries of ICD Halls 1-5, Restaurant and Hall Foyer**
(Poster titels please see pages 23 - 31)

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 2019 attendees warmly for a visit.

(List of Exhibitors please see page 32)

Thursday, 28. March 2019

Session 2: Disposal, interim and final storage as well as transport of radioactive wastes from nuclear facilities' operation, decommissioning and dismantling

Plenary Session

Session Chairpersons — Olaf Oldiges, DAHER NUCLEAR TECHNOLOGIES GmbH
Heike Merx, Kerntechnische Entsorgung Karlsruhe GmbH

09.00 am — (Paper number 096)
The BGZ-Tasks and Goals
Wilhelm Graf, Gesellschaft für Zwischenlagerung mbH (BGZ)

09.50 am — (Paper number 118)
The transfer of interim storages to the BGZ-experiences - outlook and legally required aspects
Dr. Klaus-Jürgen Brammer, Gesellschaft für Zwischenlagerung mbH (BGZ)
Dr. Michael Hoffmann, Gesellschaft für Zwischenlagerung mbH (BGZ)
Dr. Matthias Heck, Gesellschaft für Zwischenlagerung mbH (BGZ)
Stefan Weber, Gesellschaft für Zwischenlagerung mbH (BGZ)

10.10 am — (Paper number 002)
How to dispose of nuclear power plants' dismantling waste? Utilisation in backfilling mining as a long-term safe and environmantally sound alternative to landfill
Hans-Dieter Schmidt, GTS Grube Teutschenthal Sicherungs GmbH & Co. KG
RA Moritz Grunow, AVR - Andrea Versteyl Rechtsanwälte Part GmbH

10.30 am — (Paper number 037)
Comparison measurements between German clearance measuring plants – results and future demand belonging to external quality assurance
Sven Jansen, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.

10.50 am — (Paper number 017)
Status of cask design license tests for the Konrad repository
Dr. Holger Völzke, Bundesanstalt für Materialforschung und -prüfung (BAM)

11.10 am — (Paper number 083)
The SD-20K, a large Type B(U)F Package for Konrad Waste Containers
Dr. Maik Hennebach, DAHER NUCLEAR TECHNOLOGIES GmbH
Franz Hilbert, DAHER NUCLEAR TECHNOLOGIES GmbH
Michael Brielmayer, SIEMENS AG

11.30 am Coffee break

Session 2: Disposal, interim and final storage as well as transport of radioactive wastes from nuclear facilities' operation, decommissioning and dismantling

Plenary Session

Session Chairpersons: Burkhard Hartmann, Gesellschaft für nukleares Reststoffrecycling mbH (GNR)
Dr. Guido Caspary, JEN Jülicher Entsorgungs-gesellschaft für Nuklearanlagen mbH

12.00 am (Paper number 021)
Reconditioning of old and operational wastes at PreussenElektra-Development of a large-scale project in a highly regulated environment
Georg Weiß, PreussenElektra GmbH

00.20 pm (Paper number 022)
Waste Management and Logistic Support - A Project Summary and Lessons learned at Joint Research Centre Ispra, Italy
Daniela Werner, sat. Kerntechnik GmbH
DI Heikki Aulamo, European Commission, JRC Nuclear Decommissioning Unit
Frank Ambos, sat. Kerntechnik GmbH

00.40 pm (Paper number 069)
Good Practice Waste Management Decommissioning
Dr. Michel Pieraccini, EDF, France
Arne Larsson, Cyclife, Schweden
Klaus Büttner, NUKEM Technologies, Germany
Douglas Kerr, Wood, UK
et al.

01.00 pm Lunch break

Session 2: Disposal, interim and final storage as well as transport of radioactive wastes from nuclear facilities' operation, decommissioning and dismantling

Plenary Session

Session Chairpersons: Rudolf Printz, JEN Jülicher Entsorgungs-gesellschaft für Nuklearanlagen mbH
Dr. Hannes Wimmer, GNS Gesellschaft für Nuklear-Service mbH

02.00 pm (Paper number 080)
Erection and operation of residual material processing centres at EnBW's Neckarwestheim and Philippsburg sites
Steffen Oehmingen, Gesellschaft für nukleares Reststoffrecycling mbH (GNR)

(Continuation)

02.20 pm (Paper number 067)
Fully automated generation of the waste package release schedule for the final repository Konrad taking into account the logistics of transportation and storage facilities as well as the radiological constraints
Dr. Philip James Harding, Brenk Systemplanung GmbH

02.00 pm (Paper number 013)
Radiochemical characterization of PWR control rods
Tanja Tomasberger, NRG
Irene Loppersum, NRG
Werner Schuurmann, NRG
Arend Jooij, NRG

03.00 pm Coffee break

Session 2: Disposal, interim and final storage as well as transport of radioactive wastes from nuclear facilities' operation, decommissioning and dismantling

Plenary Session

Session Chairpersons **Dr. Frank Schartmann, Brenk Systemplanung GmbH**
Dr. Holger Spann, GNS Gesellschaft für Nuklear-Service mbH

03.30 pm (Paper number 048)
Radiological declaration of fissile (irradiated) samples from scientific experiments for disposal in the Konrad repository
Dr. Mirian Knebel, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Rudolf Printz, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

03.50 pm (Paper number 054)
Requalification of formerly produced waste at JEN mbH
Dr. Sabrina Kreft, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Katharina Breunig, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

04.10 pm (Paper number 087)
Investigations to meet the protection target of Waste Product Group 04
Dr. Susanne Heger, Kerntechnische Entsorgung Karlsruhe GmbH

(Continuation)

04.30 pm (Paper number 090)
Qualification of treatment campaigns for ashes, granulate and sewage sludges based on modular flowcharts
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Katharina Breunig, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
M. Beylebens, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

04.50 pm (Paper number 084)
Consequences of the overall limit for additional radionuclides of table 10 in the final storage conditions Konrad for the waste of the KTE
Felix Himmerkus, Kerntechnische Entsorgung Karlsruhe GmbH

05.10 pm (Paper number 085)
New approval strategy for Lost Concrete Shields Type I
Jörg Melzer, Kerntechnische Entsorgung Karlsruhe GmbH

05.30 pm (Paper number 076)
Qualification of a Large Component as IP-2 Package - Preparation and Implementation
Boris Westerwinter, GNS Gesellschaft für Nuclear-Service mbH
Martin Beverungen, GNS Gesellschaft für Nuclear-Service mbH
Dr. Luc Schlömer - WTI Wissenschaftlich-Technische Ingenieurberatung GmbH

05.50 pm (Paper number 107)
Planning of the retrival MAW wastes from the Asse II mine
Andreas Hucke, DMT GmbH & Co. KG
Dr. Jörg Feinhals, DMT GmbH & Co. KG
Dr. Jürgen te Kook, DMT GmbH & Co. KG
Elisa Rieche, Bundesgesellschaft für Endlagerung mbH (BGE)

06.10 pm End of Plenary Session on Wednesday

KONTEC *DIRECT* Short technical lectures in word & vision

Hall Foyer ICD near Galleries 3 and 4

27. March 2019 11.50 am – 03.40 pm
28. March 2019 11.20 am – 04.10 pm

Thursday, 28. March 2019, 11.20 am – 11.50 am
Panel 1 - Session 2

11.20 am (Paper number 039) – Poster Box 51
KONEKT: A concept study on the safe management of irradiated beryllium from research reactors
Dr. Natalia Daniels, Forschungszentrum Jülich GmbH

(Continuation)

10 minutes for handover

11.40 am (Paper number 042) – Poster Box 52
The performance tests of the solidified ion exchange bead resins using SIAL® matrix
Wei-Hsiang Lin, Institute of Nuclear Energy Research

Thursday, 28. March 2019, 11.20 am – 11.50 am
Panel 2 - Session 3

11.20 am (Paper number 081) – Poster Box 50
Design of dismantling logistics in the area of tension of the different requirements in the dismantling process
Dr. Till Riemann, TÜV NORD EnSys GmbH & Co. KG

10 minutes for handover

11.40 am (Paper number 030) – Poster Box 46
Cost management in nuclear decommissioning projects: Risks, success factors and optimisation options
Dr. Markus Pöhlmann, Fontin & Company GmbH

Thursday, 28. March 2019, 12.00 am – 00.30 pm
Panel 1 - Session 3

12.00 am (Paper number 057) – Poster Box 48
Decommissioning project AVR: Demolition of the concrete structures in the protective container by means of demolition robots with spider substructure
Michael Escher, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

10 minutes for handover

00.20 pm (Paper number 075) – Poster Box 49
Robot system for mapping nuclear facilities
Dr.-Ing. Martin Brandauer, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)

Thursday, 28. March 2019, 12.00 am – 00.30 pm
Panel 2 - Session 1

12.00 am (Paper number 046) – Poster Box 57
Process optimization and scale augmentation in the electrochemical total oxidation of liquid organic C-14 wastes for transfer to C-14-CaCo3
Hans-Jürgen Friedrich, Fraunhofer IKTS

10 minutes for handover

00.20 pm (Paper number 062) – Poster Box 58
Further development of a separation procedure for the treatment of secondary waste from the water-abrasive suspension cutting technique
Alexander Heneka, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)

Thursday, 28. March 2019, 02.00 pm – 02.30 pm
Panel 1 - Session 3

02.00 pm (Vortagsnummer 028) – Poster Box 45
Characterisation and Remediation of Radioactively contaminated sites in the course of Decommissioning
Dr. Hagen Gunther Jung, NUKEM Technologies Engineering Services GmbH

10 minutes for handover

02.20 pm (Paper number 035) – Poster Box 47
Nuclear decommissioning taking into account soil and groundwater protection
Dr. Petra Steinbach, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.

Thursday, 28. March 2019, 02.00 pm – 02.30 pm
Panel 2 - Session 3

02.00 pm (Paper number 057) – Poster Box 48
Decommissioning project AVR: Demolition of the concrete structures in the protective container by means of demolition robots with spider substructure
Michael Escher, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

10 minutes for handover

02.20 pm (Paper number 075) – Poster Box 49
Robot system for mapping nuclear facilities
Dr.-Ing. Martin Brandauer, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)

Thursday, 28. March 2019, 03.40 pm – 04.10 pm
Panel 1 - Session 3

03.40 pm (Paper number 030) – Poster Box 46
Cost management in nuclear decommissioning projects: Risks, success factors and optimisation options
Dr. Markus Pöhlmann, Fontin & Company GmbH

10 minutes for handover

04.00 pm (Paper number 081) – Poster Box 50
Design of dismantling logistics in the area of tension of the different requirements in the dismantling process
Dr. Till Riemann, TÜV NORD EnSys GmbH & Co. KG

Thursday, 28. March 2019, 03.40 pm – 04.10 pm
Panel 2 - Session 3

03.40 pm (Paper number 028) – Poster Box 45
Characterisation and Remediation of Radioactively contaminated sites in the course of Decommissioning
Dr. Hagen Gunther Jung, NUKEM Technologies Engineering Services GmbH

(Continuation)

10 minutes for handover

04.00 pm (Paper number 035) – Poster Box 47
Nuclear decommissioning taking into account soil and groundwater protection
Dr. Petra Steinbach, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.

Postersession

09.00 am - 06.00 pm **Postersession of all Sessions at the galleries of ICD Halls 1-5, Restaurant and Hall Foyer**
(Poster titels please see pages 23 – 31)

Technical Exhibition

09.00 am - 06.00 pm **Accompanying technical exhibition of ICD Halls 1-5, Restaurant and Hall Foyer**
(List of Exhibitors please see page 32)

08.00 pm SPECIAL EVENING EVENT *„KONTEC 2019 BANQUET"* IN THE ICD

Friday, 29. March 2019

Session 1: Facilities and technologies for the dismantling and for the conditioning and packaging of operational and decommissioning wastes

Plenary Session

Session Chairpersons	Dr. Katharina Stummeyer, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH Dr. Bernhard Wiechers, Westinghouse Electric Germany GmbH
09.00 am	(Paper number 019) *Development of planning support for safe and cost-effective dismantling* Philipp Röckel, Karlsruher Institut für Technologie (KIT) F. Englisch, Universität Kassel J. Osterland, Universität Kassel M. Jennerich, Universität Kassel et al.
09.20 am	(Paper number 119) *The benefits of virtual engineering tools in nuclear decommissioning* Prof. Dr. Ulrich W. Scherer, Hochschule Mannheim Ch. Bischof, Hochschule Mannheim Philipp Blomen, Atkins Energy Germany GmbH
09.40 am	(Paper number 106) *Segmented release strategy of buildings* Dr. Jörg Feinhals, DMT GmbH & Co. KG Andreas Roth, Atkins Energy Germany GmbH
10.00 am	(Paper number 108) *Taking in nuclear operation of the Plasma Facility for industrial treatment of radioactive waste at Kozloduy NPP* Jan Deckers, Belgoprocess
10.20 am	(Paper number 120) *Innovative tools to improve physical and radiological characterization of nuclear zones – an application in a highly radioactive environment* Simon Haen, Orano D&S C. Escoffier, Orano D&S Dr. Stéphane Dogny, Orano D&S BU Thierry Varet, Orano D&S BU et al.
10.40 am	Coffee break

Session 1: Facilities and technologies for the dismantling and for the conditioning and packaging of operational and decommissioning wastes

Plenary Session

Session Chairpersons	**Dr. Thomas Hassel, Unterwassertechnikum Hannover/ Leibniz Universität Hannover - Institut für Werkstoffkunde** **Andreas Roth, Atkins Energy Germany GmbH**
11.10 am	(Paper number 003) *Process for separation of Cesium and Technetium from fission product residuals and their recycling and disposal* Dr. Franz Strohmer, Kerntechnische Entsorgung Karlsruhe GmbH
11.30 am	(Paper number 027) *Development of a tool for selective decontamination of reinforced concrete structures* Sonja Kaiser, Karlsruher Institut für Technologie (KIT)
11.50 am	(Paper number 088) *Electroerosive sharpening of multi-layer brazed grinding beads* Jan Harmes, Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) der Leibniz Universität Hannover
00.10 pm	(Paper number 121) *Robotic waste separation from conventional industry – an innovative alternative for sorting bulk radioactive materials from nuclear decommissioning?* Harri Holopainen, ZenRobotics Ltd.
00.30 pm	**Conference conclusion and Awards for the Best 2019 Poster and KONTEC *DIRECT* Short technical lecture** Olaf Oldiges, Vorsitzender des KONTEC Programmausschusses
01.00 pm	**End of Plenary Session on Friday**

Postersession

09.00 am - 01.00 pm	**Postersession of all Sessions at the galleries of ICD Halls 1-5, Restaurant and Hall Foyer** (Poster titels please see pages 23 - 31)

Technical Exhibition

09.00 am - 01.00 pm	**Accompanying Technical Exhibition in the ICD Halls 1-5, Restaurant and Hall Foyer** (List of Exhibitors please see page 32)
01.00 pm	**End of the Conference**

Postersessions Sessions 1-3

Postersession of all Sessions at the galleries of ICD Halls 1-5, Restaurant and Hall Foyer

27. March 2019 10.00 am – 06.00 pm
28. March 2019 09.30 am – 06.00 pm
29. March 2019 09.00 am – 00.30 pm

Session 3

Box 1: (Paper number 011)
Dismantling of a pipeline section of the former special sewers at the Rossendorf research site
Andrea Ewers, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Sabine Fleck, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Gregor Beger, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Markus Steinhardt, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
et al.

Box 2: (Paper number 016)
Researching technical measures for decommissioning of power reactors with fuel and defect rods in the plant
Dr. Przemyslaw Imielski, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH

Box 3: (Paper number 018)
Analytics of polycyclic aromatic hydrocarbons in the dismantling of nuclear facilities
Hannes Große, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Sabine Jähnichen, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Frank Michael, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Petra Steinbach, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.

Box 4: (Paper number 044)
Necessary preparation works for release of buildings from regulatory control
Dr. Carmen Isabella Krau, Siempelkamp NIS Ingenieurgesellschaft mbH
Wolfgang-Bruno Huber, Siempelkamp NIS Ingenieurgesellschaft mbH

Box 5: (Paper number 045)
Physical issues in decommissioning in the design, construction and operational phase of nuclear power plants
Dr. Imrich Fabry, Siempelkamp NIS Ingenieurgesellschaft mbH

Box 6: (Paper number 073)
Investgation on the suitability of a CdTe detector for inventory measurements in concrete
Dr. Axel Klix, Karlsruher Institut für Technologie (KIT) - Institute for Neutron Physics and Reactor Technology

Box 7: (Paper number 092)
Decommissioning of the hot cells-experiences in dismantling and decontamination of the concrete cell no. 4
Holger Petrick, Kerntechnische Entsorgung Karlsruhe GmbH
K. Priemel, Kerntechnische Entsorgung Karlsruhe GmbH

Box 8: (Paper number 094)
Comparison of national and international incidents at nuclear supply and disposal facilities in decommissioning
Florian Rowold, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH
G. Bruhn, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH

Box 9: (Paper number 100)
Logistical and structural planning in a nuclear decommissioning using a 3D CAD model
Mark Kritzmann, HOCHTIEF Engineering GmbH
Frank Schulze, HOCHTIEF Engineering GmbH
Rüdiger Holtkamp, HOCHTIEF Engineering GmbH
Dr. Julian Meyer, HOCHTIEF Engineering GmbH

Box 10: (Paper number 103)
The challenges of secutity in decomissioning of a nuclear plant
Christian Spatz, Westinghouse Electric Germany GmbH

Session 2

Box 11: (Paper number 008)
Conditioning and Requalification of Legacy Waste Packages
Dr. Rainer Dullau, GNS Gesellschaft für Nuclear-Service mbH
Stefanie Uekötter, GNS Gesellschaft für Nuclear-Service mbH
Dr. Holger Spann, GNS Gesellschaft für Nuclear-Service mbH

Box 12: (Paper number 012)
Introduction of the new "ReVK" (Software system for documentation, tracking and management of radioactive waste and residues) in the VKTA with the interfaces for final storage
Sabine Fleck, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Gregor Beger, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Paul Trepte, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Christian Gerst, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.

Box 13: (Paper number 014)
State of the art in O-Rings: Standard test technology materials
Bernhard Richter, O-Ring Prüflabor Richter GmbH

Box 14: (Paper number 020)
Developments and trends by methods and instruments for the classification and characterisation of radio-active waste in nuclear waste treatment centres
Dr. Marina Sokcic-Kostic, NUKEM Technologies Engineering Services GmbH
Ch. Klein, NUKEM Technologies Engineering Services GmbH
M. Höhne, NUKEM Technologies Engineering Services GmbH
R. Schultheis, NUKEM Technologies Engineering Services GmbH

Box 15: (Paper number 023)
Radiological characterization of hard-to-measure radionuclides using accelerator mass spectrometry (AMS)
Matthias Dewald, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH
B. Dittmann, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH
E. Strub, Abteilung Nuklearchemie, Universität zu Köln
A. Dewald, Institut für Kernphysik, Universität zu Köln

Box 16: (Paper number 024)
Campaign Processes - Administration an Maintenance of characteristic data as well as recording of waste product, container an package characteristic
Florian Koenn, GNS Gesellschaft für Nuclear-Service mbH
Martina Kössler, GNS Gesellschaft für Nuclear-Service mbH

Box 17: (Paper number 026)
Decontamination and clearance procedure for radioactively contaminated mercury waste from the decommissioning of nuclear facilities
Larissa Klaß, Forschungszentrum Jülich GmbH
Philipp Ritz, Forschungszentrum Jülich GmbH
Marius Hirsch, Aachen Institute for Nuclear Training GmbH
John Kettler, Aachen Institute for Nuclear Training GmbH
et al.

Box 18: (Paper number 031)
Documentation of wastes suitable for Konrad repository using the example of evaporator concentrates and mixed wastes
Johannes Schubert, VPC GmbH
Dr.-Ing. Anton Anthofer, VPC GmbH
Max Schreier, VPC GmbH

Box 19: (Paper number 032)
Material description and plausibility check of radioactive wastes using QUANTOM
Dr. Laurent Coquard, Framatome GmbH
Dr. Andreas Havenith, Aachen Institute for Nuclear Training GmbH
Julian Hummel, Framatome GmbH
Thomas Veltkamp, Framatome GmbH
et al.

Box 20: (Paper number 036)
Further way of disposal of waste after clearance (at the background of plants that not want to accept those materials)
Sven Jansen, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Dr. Petra Steinbach, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.

Box 21: (Paper number 047)
Inactive release of concrete blocks from the biological shield of the dismantled DIORIT experimental reactor at the Paul Scherrer Institute (Switzerland)
Dr. Eva Hartmann, Paul Scherrer Institut
Isabel Sierra, Paul Scherrer Institut
Jörg Feinhals, DMT GmbH & Co. KG

Box 22: (Paper number 052)
Commissioning of the Rapid-Gamma-Scanner and first measurements
Marie-Louise Gerntrup, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Katharina Breunig, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

Box 23: (Paper number 056)
Clearance optimization for an operation-historically contamination-free building based on experience from the material lock
Marco Steinbusch, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. J. de Groot, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
B. Stahn, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Rudolf Printz, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

Box 24: (Vortagsnummer 060)
Monitoring system for automated compliance checking against allowance limits
Marc Reimann, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
E. Kisant, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

Box 27: (Paper number 061)
Stock management supported by 2D code scanners and electronic transport documents
Erik Kisant, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Marc Reimann, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

Box 28: (Paper number 065)
The way to a nuclear fuel freedom-repository-appropriate conditioning of fuel element sphere in the Great Hot Cells
Stephan Werbelow, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
T. Rezanka, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
B. Stahn, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Rudolf Printz, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

Box 29: (Paper number 068)
Statistical methods for determining activity on containers with radioactive waste and at the release
Malte Görlich, TÜV NORD EnSys GmbH & Co. KG
L. Landwehr, TÜV NORD EnSys GmbH & Co. KG
Dr. S. Gloris, TÜV NORD EnSys GmbH & Co. KG

Box 30: (Paper number 082)
Interim storage of radioactive waste generating negligible heat
Dr. Wolfgang Botsch, TÜV NORD EnSys GmbH & Co. KG
D. Beltz, TÜV NORD EnSys GmbH & Co. KG

Box 31: (Paper number 086)
Repository documentation in the KTE
Birgit Binz, Kerntechnische Entsorgung Karlsruhe GmbH

Box 32: (Paper number 101)
Methods and Technologies for Waste Characterization
Dr. Matthias Fritzsche, Mirion Technologies (Canberra) GmbH

Box 31: (Paper number 102)
Westinghouse mobile cementation facility for liquid low- and medium actice wastes
Andreas Kalk, Westinghouse Electric Germany GmbH

Box 32: (Paper number 104)
Training in the fields of radiological characterisation and release
Matthias Bothe, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
J. Feinhals, DMT GmbH & Co. KG
E. Neukäter, BKW Energie AG, KKW Mühleberg

Box 33: (Paper number 105)
Free release of concrete blocks of the PSI's DIORIT research reactor using in-situ gamma spektrometry
Matthias Bothe, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
T. Knippa, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
E. Hartmann, Paul Scherrer Institut
J. Feinhals, DMT GmbH & Co. KG

Session 1

Box 34: (Paper number 122)
Different approachesfor clearance of metals – a comparison
Arne Larsson, Cyclife Sweden AB
William Ekk, Cyclife Sweden AB
Miranda Keith-Roach, Kemakta Konsult AB
Celia Jones, Kemakta Konsult AB
et al.

Box 35: (Paper number 001)
WIKUS band saw technology: Your competent and strong partner for efficient decommissioning
Uwe Engelhardt, WIKUS Sägenfabrik GmbH & Co. KG
Stefan Schwenda, WIKUS Sägenfabrik GmbH & Co. KG

Box 36: (Paper number 004)
Microbiology in bio-geo interactions for re-use of contaminated areas
Prof. Dr. Erika Kothe, Friedrich-Schiller-Universität Jena
Sebastian Pietschmann, Friedrich-Schiller-Universität Jena
David Fürst, Friedrich-Schiller-Universität Jena
Marie Harpke, Friedrich-Schiller-Universität Jena
et al.

Box 37: (Paper number 010)
Requirements for Package Design Testing and Quality Assurance Measures for Packages not Requiring Competent Authority Design Approval
Carsten Gröke, Bundesanstalt für Materialforschung und -prüfung (BAM)
Martin Neumann, Bundesanstalt für Materialforschung und -prüfung (BAM)
Steffen Komann, Bundesanstalt für Materialforschung und -prüfung (BAM)
Frank Wille, Bundesanstalt für Materialforschung und -prüfung (BAM)

Box 38: (NN)
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Box 39: (Paper number 051)
A containment enclosure for the size-reduction of radioactive waste coming from high-energy accelerators
Luca Bruno, CERN
Yvon Algoet, CERN
Sabine Braun, CERN
Mombert Schade, CERN
et al.

Box 40: (Paper number 074)
Studies on the removal of asbestos-containing spatula mass using wet sand beams
Simone Müller, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
D. Boser, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
S. Gentes, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)

Box 41: (Paper number 077)
Operational experience from application of advanced decommissioning methods on Slovak nuclear installations
Milena Prazska, Amec Foster Wheeler Nuclear Slovakia s.r.o.
Pavol Stuller, Amec Foster Wheeler Nuclear Slovakia s.r.o.
Marcela Blazsekova, Amec Foster Wheeler Nuclear Slovakia s.r.o.
Helena Mrazova, Amec Foster Wheeler Nuclear Slovakia s.r.o.
et al.

Box 42: (Paper number 099)
Compaction of Powdered Radioactive Wastes
Lim Sang Hyun, Chosun University
Song Jong Soon, Chosun University
Jung Min Young, Chosun University
Kim Ki Hong, Korea Atomic Energy Research Institute

Box 43: (Paper number 109)
Pyrolysis of radioactive spent resins into the PRIME pilot installation
Jurgen Hansen, Montair Process Technology B. V.

Box 44: (Paper number 110)
Technical and economic comparison of boric acid treatment from PWR plants for decommissioning
Marc Backes, Atkins Energy Germany GmbH
Andreas Roth, Atkins Energy Germany GmbH
Peter Reinsdorff, Atkins Energy Germany GmbH

Session 3 - also as CONTEC *DIREKT* Short Lectures

Box 45: (Paper number 028)
Characterisation and Remediation of Radioactively contaminated sites in the course of Decommissioning
Dr. Hagen Gunther Jung, NUKEM Technologies Engineering Services GmbH
F. Langer, NUKEM Technologies Engineering Services GmbH

Box 46: (Paper number 030)
Cost management in nuclear decommissioning projects: Risks, success factors and optimisation options
Dr. Markus Pöhlmann, Fontin & Company GmbH
Dr. Mathias Fontin, Fontin & Company GmbH

Box 47: (Paper number 035)
Nuclear decommissioning taking into account soil and groundwater protection
Dr. Petra Steinbach, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Benjamin Johne, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Markus Steinhardt, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Reinhard Knappik, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.

Box 48: (Paper number 057)
Decommissioning project AVR: Demolition of the concrete structures in the protective container by means of demolition robots with spider substructure
Michael Escher, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
D. Scharenberg, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Marco Steinbusch, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
B. Stahn, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

Box 49: (Paper number 075)
Robot system for mapping nuclear facilities
Dr.-Ing. Martin Brandauer, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
S. Friedrich, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
S. Schilp, RWE Nuclear GmbH
P. Johannes, RWE Nuclear GmbH
et al.

Box 50: (Paper number 081)
Design of dismantling logistics in the area of tension of the different requirements in the dismantling process
Dr. Till Riemann, TÜV NORD EnSys GmbH & Co. KG

Session 2 - also as CONTEC *DIREKT* Short Lectures

Box 51: (Paper number 039)
KONEKT: A concept study on the safe management of irradiated beryllium from research reactors
Dr. Natalia Daniels, Forschungszentrum Jülich GmbH
Guido Deissmann, Forschungszentrum Jülich GmbH
Christian Wolf, Betrieb BER II, Helmholtz Zentrum Berlin
Stephan Kate, Betrieb BER II, Helmholtz Zentrum Berlin
et al.

Box 52: (Paper number 042)
The performance tests of the solidified ion exchange bead resins using SIAL® matrix
Wei-Hsiang Lin, Institute of Nuclear Energy Research
Chun-Ping Huang, Institute of Nuclear Energy Research
Marcela Blazsekova, Amec Foster Wheeler Nuclear Slovakia
Milena Prazska, Amec Foster Wheeler Nuclear Slovakia
et al.

Box 53: (Paper number 053)
The documentation system for final disposal of radioactive waste at JEN
Ralph Risch, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Sabrina Kreft, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

Box 54: (Paper number 055)
Mobile gas sampling and gas analysis of waste drums and Konrad containers
Dr. Bastian Niedrée, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
S. Rosenzweig, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

Box 55: (Paper number 058)
Planning, implementation and reporting of accompanying inspections of qualified waste conditioning processes at JEN mbH
Dr. Katharina Breunig, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Marc Reimann, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.

Box 56: (Paper number 064)
Development of a declaration system for the FRJ-1 research reactor at Jülich Research Centre
Thomas Mispagel, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Thorsten Steinhardt, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Dr. Guido Caspary, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Rudolf Printz, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)

Session 1 - also as CONTEC *DIREKT* Short Lectures

Box 57: (Paper number 046)
Process optimization and scale augmentation in the electrochemical total oxidation of liquid organic C-14 wastes for transfer to C-14-CaCo3
Dr. Hans-Jürgen Friedrich, Fraunhofer IKTS

Box 58: (Paper number 062)
Further development of a separation procedure for the treatment of secondary waste from the water-abrasive suspension cutting technique
Alexander Heneka, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
S. Gentes, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
H. Geckeis, Karlsruher Institut für Technologie (KIT) - Institut für Nukleare Entsorgung (INE) M. Plaschke, Karlsruher Institut für Technologie (KIT) - Institut für Nukleare Entsorgung (INE)
D. Schild, Karlsruher Institut für Technologie (KIT) - Institut für Nukleare Entsorgung (INE)
et al.

Box 59: (Paper number 079)
CO2 Blasting for Dose Reduction in a Hot Cell System
Judith Caroline Westphal, Idaho National Laboratory - Batelle Energy Alliance
R. C. Johansen, Idaho National Laboratory - Batelle Energy Alliance

Box 60: (Paper number 089)

Dry wire grinding of steel with sintered CBN tools

Christian Heller, Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) der Leibniz Universität Hannover
Prof. Dr.-Ing. Berend Denkena, Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) der Leibniz Universität Hannover
Dr.-Ing. Thilo Grove, Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) der Leibniz Universität Hannover

Technical Exhibition in the ICD Halls 1-5, Restaurant and Hall Foyer

27. March 2019 10.00 am – 10.00 pm
28. March 2019 09.30 am – 06.00 pm
29. March 2019 09.00 am – 01.00 pm

Exhibitors as of 10.12.2018

A	Standnr./ booth no.
ABREX Geräte- und Anlagenbau GmbH	R9
Alpin Technik und Ingenieurservice GmbH	S12
ANT Applied New Technologies AG	B4
ATKINS Energy Germany	E1
August Alborn GmbH & Co. KG	B3
B	
Beba Technology GmbH & Co. KG	S4
BELGOPROCESS, Belgien	S9
BERTHOLD TECHNOLOGIES GmbH & Co. KG	B15
BGE TECHNOLOGY GmbH	S6
BGZ Gesellschaft für Zwischenlagerung mbH	E2
BIG ENTSORGUNGS-TECHNOLOGIEN GmbH	C7
Bilfinger Noell GmbH	B7
BLASTRAC	R7
Brenk Systemplanung GmbH	C1
C	
CHS Container Handel GmbH	S8
Container d.o.o. Slowenien	A1
D	
DAHER NUCLEAR TECHNOLGIES GmbH	C4
DARDA GmbH	B2
Department for International Trade	S22
DREHTAINER GmbH	A8
E	
Eckert & Ziegler Umweltdienste GmbH	A12
ELSE NUCLEAR S.r.l., Italien	S2
Eisenwerk Bassum mbH	D7
EWN Entsorgungswerk für Nuklearanlagen GmbH	D1-D4
F	
Fortum Power and Heat Oy, Finnland	S5
Framatome GmbH	A2

V	
VacuTec Meßtechni GmbH	R10
Veltec GmbH & Co. KG	F4
VKTA Dresden - Strahlenschutz, Analytik & Entsorgung Rossendorf e. V.	A11
VPC GmbH	S14
W	
Wälischmiller Engineering GmbH	A9/A10
Weber Unternehmensgruppe GmbH & Co. KG	C6
Westinghouse Electric Germany GmbH	D5/D6
WIKUS-Sägenfabrik Wilhelm H. Kullmann GmbH & Co. KG	A6

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 2019 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 2019 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

MARITIM Hotel:	Internationales Congress Center Dresden:
Devrientstraße 10-12	Ostra-Ufer 2
01067 Dresden	01067 Dresden
Germany	Germany

Organizer

KONTEC – Gesellschaft für technische Kommunikation mbH

Coordination of event

atm Gesellschaft für aktives technisches Marketing GmbH
Willhoop 3, 22453 Hamburg, Deutschland
Telefon: +49/40/228 13 77 90 – Telefax: +49/40/228 13 77 99
e-Mail: contact@kontec-mannheim.de
Internet: www.kontec-symposium.de

Registration for participation must be made in written to atm GmbH using the enclosed registration form or online www.kontec-symposium.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

Early Bird regular participants
€ 790,- plus VAT for registration until January 11, 2019

regular participants	€	890,- plus VAT
Students[1)]	€	150,- plus VAT
pensioners/ retirees [1)]	€	350,- plus VAT

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

The entry fee is payable at the time of registration.

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 2019 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 11, 2019 and will carry a € 100,- plus VAT administration charge. It is regretted that no refunds will be made after January 11, 2019.

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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.

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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

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Please make your room reservation online by using the link under “hotel reservation” on www.kontec-symposium.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.

Note about the event

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As part of the event, photo and video recordings will be made. This happens for documentation and for PR measures. Your name, function and company will be published in the list of participants and on your name tag. This is done to facilitate communication among the participants.
If you give a presentation, it will also be published for information exchange and documentation. If, from your point of view, your legitimate interest precludes this, then you have a right to object. For this please contact us in text form (contact@kontec-mannheim.de). Everything else can be found in our privacy policy (https://www.kontec-symposium.de/).

Program subject to alteration.

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