

KONTEC DIRECT
Short technical lectures
in word & vision

KONTEC 2019

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



Equipment and catering of the KONTEC 2019
are carried out with the friendly support of the companies:



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.

KONTEC *CAMPUS* is supported by:



**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:

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**

Wardrobe/Clothing can be checked at the foyer/terrace level of the ICD at the following times.

Wednesday	March 27, 2019	09.00 am – 10.30 pm
Thursday	March 28, 2019	08.30 am – Friday, March 29, 2019, 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
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Vice-Chairman:

Dr. Bernhard Wiechers	Westinghouse Electric Germany GmbH	Mannheim
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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 Entsorgungsgesellschaft 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- Leopoldshafen
Rudolf Printz	JEN Jülicher Entsorgungsgesellschaft 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 Verseemann	RWE Nuclear GmbH	Essen
Dr. Aldo Weber	Siempelkamp NIS Ingenieurgesellschaft mbH	Alzenau
sp	GNS Gesellschaft für Nuklear-Service mbH	Essen

**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 – 13.00 pm*	KONTEC DIRECT Kurzvorträge Panel 1: Session 1/ Panel 2: Session 2
02.30 pm – 03.40 pm*	KONTEC DIRECT Kurzvorträge Panel 1: Session 2
02.30 pm – 03.00 pm*	KONTEC DIRECT Kurzvorträge Panel 2: Session 2
03.10 pm – 03.40 pm*	KONTEC DIRECT Kurzvorträge Panel 2: Session 1

10.00 am – 06.00 pm Postersessions of all Sessions

10.00 am – 10.00 pm** Technical Exhibition

04.15 pm – 06.00 pm*** Research meets industry

*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.

***Open Forum for Dialogue between Research and Industry. Research centres from all over Germany and representatives of industry can inform themselves about current research needs and find competent partners for future projects. To be found in Forum 2 (instead of the KONTEC direct lecture area).

**Program
Overview**

Thursday, March 28, 2019

09.00 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“

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 <i>DIRECT</i> 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 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
Sebastian Gnieser, Westinghouse Electric Germany GmbH
Dirk Förster, GNS Gesellschaft für Nuklear-Service mbH

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

11.50 am (Paper number 114)
Decommissioning Projects at the Seibersdorf Campus – Safeguards Analytical Laboratory of IAEA and Storage Cells "Strahlenquellenbunker"
DI Gerald Ernst, Nuclear Engineering Seibersdorf GmbH
Ing. Christian Lechner, Nuclear Engineering Seibersdorf GmbH
David Amaraggi, Nuclear Engineering Seibersdorf GmbH
Ph.D. Diego Ortiz-Trujillo, Nuclear Engineering Seibersdorf GmbH

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

(Continuation)

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 Michael Bächler, Uniper Technologies GmbH
Dr. Ralf Verseemann, RWE Nuclear GmbH

02.00 pm (Paper number 059)
NPP Biblis - Two years dismantling
Dipl.- Ing. Horst Kemmeter, RWE Nuclear GmbH
Rita Craemer, RWE Nuclear GmbH

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

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)
Portfolio planning and steering of decommissioning PreussenElektra's Nuclear fleet
Peter Dietterle, PreussenElektra GmbH
Andreas Ehlert, PreussenElektra GmbH

04.00 pm Coffee break

Session 3: Decommissioning and dismantling of nuclear facilities

Plenary Session

(Continuation)

- Session Chairpersons** Michael Bächler, Uniper Technologies GmbH
Dr. Ralf Versemann, RWE Nuclear GmbH
(Paper number 043)
04.30 pm *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.
- 04.50 pm** (Paper number 041)
Sherlock - Decontamination of a Steam Generator from a 900 MWe NPP using the Oxyred Dur process
Abdeslam Hindi, Orano DS
Alexandre Ragouilliaux, Orano DS
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
Luis Sempere Belda, Framatome GmbH
Dr. Christian Topf, Framatome GmbH
Pedro 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
Further development, optimisation and scale up of a method for electrochemical treatment of C-14-containing liquid organic wastes
Hans-Jürgen Friedrich, Fraunhofer IKTS

10 minutes for handover

(Continuation)

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

(Continuation)

00.30 pm (Paper number 074) – Poster Box 40
Studies on the removal of asbestos-containing spatula mass using wet sand beams
M.Sc. Daniel Boser, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)

10 minutes for handover

00.50 pm (Paper number 089) – Box 60
Dry wire grinding of steel with sintered CBN tools
M. Sc. 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)

(Continuation)

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

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
Prof. Dr. Giuseppe Modolo, 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
M. Sc. Christian Heller, Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) der Leibniz Universität Hannover

10 minutes for handover

03.30 pm

(Paper number 074) – Poster Box 40

Studies on the removal of asbestos-containing spatula mass using wet sand beams

M.Sc. Daniel Boser, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)

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 25 – 35)

Technical Exhibition

10.00 am -
10.00 pm

Accompanying technical exhibition in the ICD Halls 1-5, Restaurant and Hall Foyer

(List of Exhibitors please see page 35)

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.

Research meets industry

04.15 pm
06.00 pm

Open forum for dialogue between research and industry. Research centres from all over Germany and representatives of industry can find out about current research needs and find competent partners for future projects. Open forum for dialogue between research and industry. Research centres from all over Germany and representatives of industry can find out about current research needs and find competent partners for future projects. To be found in Forum 2 (instead of the KONTEC direct lecture area).

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

- 09.00 am (Paper number 096)
The BGZ-Tasks and Goals
Wilhelm Graf, BGZ Gesellschaft für Zwischenlagerung mbH
- 09.50 am (Paper number 118)
The transfer of interim storages to the BGZ-experiences - outlook and legally required aspects
Stefan Weber, BGZ Gesellschaft für Zwischenlagerung mbH
Dr. Klaus-Jürgen Brammer, BGZ Gesellschaft für Zwischenlagerung mbH
Dr. Michael Hoffmann, BGZ Gesellschaft für Zwischenlagerung mbH
Dr. Matthias Heck, BGZ Gesellschaft für Zwischenlagerung mbH
- 10.10 am (Paper number 002)
Backfilling as a long-term safe alternative to the landfilling of "decommissioning waste" - Dismantling masses of nuclear facilities in mining practice
Hans-Dieter Schmidt, GTS Grube Teutschenthal Sicherungs GmbH & Co. KG
Andrea Versteyl Rechtsanwälte Part GmbH, RA Moritz Grunow, AVR
- 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.-Ing. 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	Dr. Guido Caspary, JEN Jülicher Entsorgungs-gesellschaft für Nuklearanlagen mbH
Chairpersons	Burkhard Hartmann, Gesellschaft für nukleares Reststoffrecycling mbH (GNR)
12.00 am	(Paper number 021) <i>Reconditioning of old and operational wastes at PreussenElektra-Development of a large-scale project in a highly regulated environment</i> Georg Weiß, PreussenElektra GmbH Dr. Christian Plonka, Safetec
00.20 pm	(Paper number 022) <i>Waste Management and Logistic Support - A Project Summary and Lessons learned at Joint Research Centre Ispra, Italy</i> Dipl.-Ing 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) <i>Good Practice Waste Management Decommissioning</i> Klaus Büttner, NUKEM Technologies Arne Larsson, Cyclife Dr. Michel Pieraccini, EDF Douglas Kerr, Wood 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	Rudolf Printz, JEN Jülicher Entsorgungs-gesellschaft für Nuklearanlagen mbH
Chairpersons	Dr. Hannes Wimmer, GNS Gesellschaft für Nuklear-Service mbH
02.00 pm	(Paper number 080) <i>Erection and operation of residual material processing centres at EnBW's Neckarwestheim and Philippsburg sites</i> 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
Dipl.-Ing. Jost Kolb, Bundesgesellschaft für Endlagerung (BGE)

02.00 pm (Paper number 013)
Radiochemical characterization of PWR control rods
Tanja Tomasberger, NRG
Jaap Hart, NRG
Irene Loppersum, NRG
Werner Schuurman, 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. Hannes Wimmer, 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. Miriam 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.

(Continuation)

- 04.10 pm (Paper number 087)
Investigations to meet the protection target of Waste Product Group 04
Dr. Susanne Heger, Kerntechnische Entsorgung Karlsruhe GmbH
Birgit Binz, Kerntechnische Entsorgung Karlsruhe GmbH
Jan Felix Himmerkus, Kerntechnische Entsorgung Karlsruhe GmbH
Dr. A. Leber, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH
- 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)
Michaela 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
Jan 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
Pierre Stephané Bayiha, Kerntechnische Entsorgung Karlsruhe GmbH
Jan Felix Himmerkus, Kerntechnische Entsorgung Karlsruhe GmbH
Dr. Susanne Heger, Kerntechnische Entsorgung Karlsruhe GmbH
- 05.30 pm (Paper number 076)
Qualification of a Large Component as IP-2 Package - Preparation and implementation of a transport under special arrangement -
Boris Westerwinter, GNS Gesellschaft für Nuklear-Service mbH
Dr. Luc Schlömer, WTI Wissenschaftlich-Technische Ingenieurberatung GmbH
- 05.50 pm (Paper number 107)
Planning of the retrieval 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 Thursday**

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

Prof. Dr. Giuseppe Modolo, Forschungszentrum Jülich GmbH

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

Alexander Lehnard, 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
Further development, optimisation and scale up of a method for electrochemical treatment of C-14-containing liquid organic wastes
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
Dipl.-Ing. Felix Langer, 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
Markus Steinhardt, 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

(Continuation)

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
Alexander Lehnard, 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
Dipl.-Ing. Felix Langer, NUKEM Technologies Engineering Services GmbH

10 minutes for handover

04.00 pm (Paper number 035) – Poster Box 47
Nuclear decommissioning taking into account soil and groundwater protection
Markus Steinhardt, 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 25 – 35)

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 35)

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
Prof. Oliver Sträter, Universität Kassel
Philipp Röckel, Karlsruher Institut für Technologie (KIT)
F. Englisch, Universität Kassel
Sonja Kaiser, Karlsruher Institut für Technologie (KIT)
et al.
- 09.20 am (Paper number 119)
The benefits of virtual engineering tools in nuclear decommissioning
Prof. Dr. Ulrich W. Scherer, Hochschule Mannheim
Philipp Blomen, Atkins Energy Germany GmbH
Ch. Bischof, Hochschule Mannheim
- 09.40 am (Paper number 106)
Strategies for Release 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
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 BU
Zakkarya Mekhalfa, Orano D&S BU
Dr. Stéphane Dogny, Orano D&S BU
Cedric Escoffier, Orano D&S BU
- 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 dry fission product residuals and their recycling and disposal
Dr. Sebastian Bahl, Kerntechnische Entsorgung Karlsruhe GmbH
- 11.30 am (Paper number 027)
Selective deep ablation of radioactively decontaminated reinforced concrete in nuclear deconstruction
Dipl.-Ing. Sebastian Friedrich, Karlsruher Institut für Technologie (KIT)
Prof. Dr.-Ing. Berend Denkena, Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) der Leibniz Universität Hannover
F. Cousseau, Herrenknecht AG
M. Kisling, Kraftanlagen Heidelberg GmbH
et al.
- 11.50 am (Paper number 088)
Electroerosive sharpening of multilayer brazed grinding segments
Dipl.-Ing. Jan Harmes, 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
- 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 25 – 35)

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 35)
- 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

Dr. Sebastian Schneider, 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.

Dr. Petra Steinbach, VKTA Strahlenschutz, Analytik und Entsorgung

Rossendorf e. V.

Box 4:

(Paper number 044)

Necessary activities in preparation of the building release

Dr. Carmen Isabella Krau, Siempelkamp NIS Ingenieurgesellschaft mbH

Steffen Kniest, 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)
Investigation 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
Ulrich Scholl, Kerntechnische Entsorgung Karlsruhe GmbH
Johannes Rausch, Kerntechnische Entsorgung Karlsruhe GmbH
Artur Bardhoschi, Kerntechnische Entsorgung Karlsruhe GmbH
Holger Petrick, 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
Dr. Gerd Bruhn, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH
- Box 9: (Paper number 100)
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 plant security during decommissioning of a nuclear facility
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 Nuklear-Service mbH
Dr. Holger Spann, GNS Gesellschaft für Nuklear-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
Dipl.-Ing. Sabine Fleck, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Dipl.-Ing. Gregor Beger, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Dipl.-Ing. Paul Trepte, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Dipl.-Ing. Christian Gerst, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
- Box 13: (Paper number 014)
State of the art for O-Rings: Standardization - Testing - Materials
Dipl. Ing. Bernhard Richter, O-Ring Prüflabor Richter GmbH
- Box 14: (Paper number 020)
Development of methods and instruments & trends for the classification and characteri-zation of radio-active waste in nuclear treatment centers
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
Dr. Björn Dittmann, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH
Dr. Erik Strub, Abteilung Nuklearchemie, Universität zu Köln
Prof. Dr. Alfred Dewald, Institut für Kernphysik, Universität zu Köln et al.
- Box 16: (Paper number 024)
Campaign Processes - Administration an Maintenance of characteristic data as well as recording of waste product, container an package characteristics
Florian Koenn, GNS Gesellschaft für Nuklear-Service mbH
Martina Kössler, GNS Gesellschaft für Nuklear-Service mbH
- Box 17: (Paper number 026)
Decontamination and clearance concept for radioactively contaminated mercury waste from the decommissioning of nuclear facilities
Larissa Klaub, Forschungszentrum Jülich GmbH
Philipp Ritz, Forschungszentrum Jülich GmbH
Marius Hirsch, Aachen Institute for Nuclear Training GmbH
Dr. John Kettler, Aachen Institute for Nuclear Training GmbH et al.

- Box 18: (Paper number 031)
Konrad repository documentation of wastes
Dipl.-Ing. Johannes Schubert, VPC GmbH
Dr.-Ing. Anton Anthofer, VPC GmbH
Dipl.-Ing. Max Schreier, VPC GmbH
Dipl.-Ing. Holger Witing, VPC GmbH
- Box 19: (Paper number 032)
Material description and plausibility check of radioactive wastes using QUANTOM®
Dr. Andreas Havenith, Aachen Institute for Nuclear Training GmbH
Dr. Laurent Coquard, Framatome GmbH
Dr. Theo Köble, Fraunhofer-Institut
Dr. Olaf Schumann, Fraunhofer-Institut
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)
Clearance of concrete blocks from the dismantling of the DIORIT experimental reactor at the Paul Scherrer Institute (Switzerland) in 2017
Dr. Matthias Bothe, VKTA Strahlenschutz, Analytik und Entsorgung
Rossendorf e. V.
Dr. 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)
Burkhard 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)
Erik 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)
S. Pellengahr Kerntechnische Entsorgung Karlsruhe (KTE)
M. Beer, Circlon group
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)
Burkhard Stahn, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Rudolf Printz, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
et al.
- Box 29: (Paper number 068)
Determining the activity in waste containers and for clearance using statistical methods
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 Kerntechnische Entsorgung Karlsruhe
Birgit Binz, Kerntechnische Entsorgung Karlsruhe GmbH

- Box 32:** (Paper number 101)
Methods and Technologies for Waste Characterization
Dr. Matthias Fritzsche, Mirion Technologies (Canberra) GmbH
Dr. Martin Dürr, Aachen Institute for Nuclear Training GmbH
Dr. Andreas Havenith, Aachen Institute for Nuclear Training GmbH
Hans-Jürgen Lange, Mirion Technologies (Canberra) GmbH
et al.
- Box 31:** (Paper number 102)
Westinghouse Mobile Cementation Unit CURE for Liquid Low-Level and Intermediate-Level Radioactive Waste
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.
Dr. Jörg 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 spectrometry
Matthias Bothe, VKTA Strahlenschutz, Analytik und Entsorgung
Rossendorf e. V.
T. Knippa, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Dr. Eva Hartmann, Paul Scherrer Institut
Dr. Jörg Feinhals, DMT GmbH & Co. KG

Session 1

- Box 34:** (Paper number 122)
Different approaches for clearance of metals - a comparison
Arne Larsson, Cyclife Sweden AB
Anders Stenmark, Cyclife Sweden AB
William Eek, Cyclife Sweden AB
- 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
Dipl.-Ing. (FH) Carsten Gröke, Bundesanstalt für Materialforschung und -prüfung (BAM)
Dr. Martin Neumann, Bundesanstalt für Materialforschung und -prüfung (BAM)
Dr. Steffen Komann, Bundesanstalt für Materialforschung und -prüfung (BAM)
Dr. Frank Wille, Bundesanstalt für Materialforschung und -prüfung (BAM)
- Box 38: (Paper number 129)
Laser-based decontamination: suitability for removal of PCB-residues and radiologic contamination
T. Kahl, Technische Universität Dresden
G. Greifzu, Technische Universität Dresden
M. Herrmann, Technische Universität Dresden
W. Lippmann, Technische Universität Dresden
et al.
- Box 39: (Paper number 051)
A containment enclosure for the size-reduction of radioactive waste coming from highenergy accelerators
Luca Bruno, CERN
Yvon Algoet, CERN
Mombert Schade, CERN
Laura Thimonier, CERN
et al.
- Box 40: (Paper number 074)
Studies on the removal of asbestos-containing spatula mass using wet sand beams
M.Sc. Daniel Boser, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
M.Sc. Simone Müller, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)Prof. Dr.-Ing. Sascha Gentes, Karlsruher Institut für Technologie (KIT)
- 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
Peter Reinsdorff, Atkins Energy Germany GmbH
Andreas Roth, Atkins Energy Germany GmbH

Session 3 - also as CONTEC *DIRECT* Short Lectures

Box 45: (Paper number 028)
Characterisation and Remediation of Radioactively contaminated sites in the course of Decommissioning
Dipl.-Ing. Felix Langer, NUKEM Technologies Engineering Services GmbH
Dr. Marina Sokcic-Kostic, NUKEM Technologies Engineering Services GmbH
Dr. Frank Scheuermann, 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

Box 47: (Paper number 035)
Nuclear decommissioning taking into account soil and groundwater protection
Markus Steinhardt, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Dr. Petra Steinbach, VKTA Strahlenschutz, Analytik und Entsorgung Rossendorf e. V.
Benjamin Johné, 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)
Dirk Scharenberg, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Marco Steinbusch, Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH (JEN)
Andreas Ruf, Darda GmbH
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)
Dipl.-Ing. Sebastian Friedrich, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
Dipl.-Phys. Stephan Schilp, RWE Nuclear GmbH
M.Sc. Franz Hartung, 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
Alexander Lehnard, TÜV NORD EnSys GmbH & Co. KG

Session 2 - also as CONTEC *DIRECT* Short Lectures

Box 51: (Paper number 039)
KONEKT: A concept study on the safe management of irradiated beryllium from research reactors
Prof. Dr. Giuseppe Modolo, Forschungszentrum Jülich GmbH
Dr. Natalia Daniels, 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 Pražská, 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 *DIRECT* Short Lectures

Box 57: (Paper number 046)
Further development, optimisation and scale up of a method for electrochemical treatment of C-14-containing liquid organic wastes
Dr. Hans-Jürgen Friedrich, Fraunhofer IKTS
Katrin Viehweger, 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)
Prof. Dr. Horst Geckeis, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
Prof. Dr. Sascha Gentes, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
Dipl.-Phys. Carla-Olivia Krauß, Karlsruher Institut für Technologie (KIT) - Institut für Technologie und Management im Baubetrieb (TMB)
et al.

Box 59: (Paper number NN)
NN
NN

Box 60:

(Paper number 089)

Dry wire grinding of steel with sintered CBN tools

M. Sc. 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 March 04, 2019

	booth no.
A	
ABREX Geräte- und Anlagenbau GmbH	R9
Alpin Technik und Ingenieurservice GmbH	S12
ANT Applied New Technologies AG	B4
August Alborn GmbH & Co. KG	B3
B	
beba Technology GmbH & Co. KG	S4
BELGOPROCESS, Belgium	S9
BERTHOLD TECHNOLOGIES GmbH & Co. KG	B15
BGE TECHNOLOGY GmbH	S6
BGZ Gesellschaft für Zwischenlagerung mbH	E2
BIG Entsorgungstechnologien GmbH	C7
Bilfinger Noell GmbH	B7
BLASTRAC	R7
Brenk Systemplanung GmbH	C1
C	
CHS Container Handel GmbH	S8
Container d.o.o. Slowenien	A1
Cosmos GmbH	P3
CYCLIFE SAS	A2
D	
DAHER NUCLEAR TECHNOLOGIES GmbH	C4
DARDA GmbH	B2
Department for International Trade	S22
DREHTAINER GmbH	A8
E	
Eckert & Ziegler Umweltdienste GmbH	A12
Eisenwerk Bassum mbH	D7
ELSE NUCLEAR S.r.l., Italy	S2
EWN Entsorgungswerk für Nuklearanlagen GmbH	D1-D4
F	
Forschungszentrum Jülich GmbH	P6
Fortum Power and Heat Oy, Finland	S5
Framatome GmbH	A2

G	
Gamma-Service Recycling GmbH	A12
Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH	B5
GNS Gesellschaft für Nuklear-Service mbH	C3
GRADEL SARL, Luxembourg	R3
H	
HAKA Kunz GmbH	P7
Hebetec Engineering AG, Switzerland	S21
Hilti Deutschland AG	B8/B11
HIM GmbH	S18
HOCHTIEF Engineering GmbH	D5/D6
HOCHTIEF Infrastructure GmbH	D5/D6
I	
IABG mbH	A7
IEM FörderTechnik GmbH	S13
Ipsen Industrial Packing GmbH & Co KG	S8
ISS Energy Services GmbH	R5
J	
James Fisher Nuclear GmbH	S1
JEN Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH	D1-D4
K	
Kjellberg Vertrieb GmbH	S3a
Kraftanlagen Heidelberg GmbH	C8
KRAFTWERKSSCHULE E.V.	S20
Krantz GmbH	B9/B12
KTE Kerntechnische Entsorgung Karlsruhe GmbH	D1-D4
L	
Liese GmbH	S15
M	
MAMMOET Deutschland GmbH	S07
Maschinen-Meyer GmbH & Co. KG	F02
Mirion Technologies (Canberra) GmbH	D8
MOCO Maschinen- und Apparatebau GmbH & Co. KG	S19
Mott MacDonald Limited, England	P5
N	
NucTecSolutions GmbH	C9
Nuclear Research an Consulty Group (NRG), Netherlands	S3b
Nuclear Shields B.V., Netherlands	P4
NUKEM Technologies Engineering Services GmbH	C5
O	
Orano GmbH	C2
P	
Pedi AG, Switzerland	F1
R	
Röhr + Stolberg GmbH	B14
ROTAN GmbH	A3
S	
sat.Kerntechnik GmbH	B6
Schminke Krantechnik GmbH	B1
Siempelkamp NIS Ingenieurgesellschaft mbH	B10/B13
SNC-Lavalin / Atkins	E1
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STEAG Energy Services GmbH	B9/B12
Studsvik GmbH & Co. KG	R1

T	
Tecnubel GmbH	S16
TÜV NORD EnSys GmbH & Co. KG	E3/E4
TÜV SÜD Industrie Service GmbH	S10/S11
Tyrolit GmbH, Austria	S17
U	
Uniper Anlagenservice GmbH	F3
UniTech Services GmbH	A4
V	
VacuTec Meßtechnik 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

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