

**Submit your abstract online
by November 12, 2018**

Call for Papers to Technical Sessions

You are warmly invited to submit a technical or scientific paper to the 50th Annual Meeting on Nuclear Technology (AMNT 2019). As one of Europe's most recognized and best established nuclear technology conferences the AMNT, organised by the DAtF (German Atomic Forum) and the KTG (German Nuclear Society), is a must-attend event for international experts and decision-makers.

Showcase your knowledge and be part of the AMNT programme – your benefits:

- Presentation of your work in a Technical Session
- Publication of your paper in the AMNT proceedings with ISBN number
- Best Paper Award – issued in the atw – International Journal for Nuclear Power
- Networking with numerous international experts
- 25 % speaker discount on the registration fee
- Subject to contents and speaker papers/presentations potentially considered as requisite qualification



AMNT 50
2019 **years**

7–8 May 2019

Estrel Convention Center Berlin, Germany

Submission Guideline

What

Accepted papers will be presented in the context of a Technical Session during the Annual Meeting on Nuclear Technology (AMNT) and published in the AMNT proceedings on CD-ROM with ISBN number.

Please note that contributions must meet the formal requirements outlined in this invitation.

Important Dates and Deadlines

Abstract Submission open:	01.09.2018
Abstract Submission Deadline:	12.11.2018
Compact Submission open:	13.11.2018
Compact Submission Deadline:	15.12.2018
Early Bird Registration Deadline:	31.01.2019
Notification of Acceptance:	mid-January
Presentation (Charts) Submission:	April 2019
AMNT 2019:	07.-08.05.2019

Where

Please apply via the submission system on the conference website: amnt-submission.com

Language

English.

Papers for the Technical Sessions within the Key Topic Decommissioning Experience & Waste Management Solutions can be also submitted in German.

Same applies with respect to lectures within this Key Topic, whereas charts to be presented in English.

How

Please fill in the online application form on the conference website with general information regarding your paper and the author(s).

Please choose a subject (see list on the right) which corresponds best to the content of your paper and tick the relevant box corresponding to your preferred time for presentation.

The submission system will generate a temporary submission number that will be used in all correspondences. If you do not receive this number immediately after your submission please contact the conference help desk:

amnt2019@lyve.de

Contents

Compacts should present new findings, the objectives, description of the methods employed and possibilities of generalisation.

Abstracts should contain a brief summary of the objective, methods, the main results and conclusions.

Format

Abstracts and Compacts must be submitted as PDF document.

File Name

Please name the file by your name, for example if your name is Michael Brown, the file submitted should be named michael-brown-abstract-1.pdf or michael-brown-compact-1.pdf and in case you submit a second one it should be named michael-brown-abstract-2.pdf or michael-brown-compact-2.pdf etc.

	Abstracts	Compacts
Length:	Min. 250 words, max. 400 words	Min. 4 pages, max. 8 pages (including tables, pictures and graphs)
Page size:	DIN A4 (210 x 297 mm)	
Type area:	Should not exceed 160 x 250 mm.	
Font:	Arial, (12 pt) If you use other fonts than Arial please embed all fonts in your PDF-file.	
First page:	Must start with a box containing the title of your work, the name(s) of the author(s) and the affiliations given. This box must have the diameters 65 x 160 mm.	
Tables and figures:	Are to be included in the text or appended at the end.	
References:	Should be indicated at the end of the text.	

Layout

You can download templates from the conference website: www.amnt2019.com

Procedure

Papers received will be subject to a peer review by experts both from science and industry. Papers on closely related subjects can be combined.

The registration fee for speakers of Technical Sessions will be reduced by 25% (for regular fees see the conference website).

Especially younger colleagues (<35) should be encouraged to present their work. Those belonging to this group are kindly requested to indicate their birthday.



Best Paper Award

The Peer Review Committee will award the best compact with the Best Paper Award, issued in outstanding position in atw – International Journal for Nuclear Power.

Changed e-mail for submission and information



Keynotes and Subjects for Technical Sessions

Outstanding Know-How & Sustainable Innovations

» Technical Session

Know-How, New Build and Innovations

Keynotes

First AP1000 Connected to the Grid

› N.N. Westinghouse Electric Germany GmbH, Germany

Nuclear Technology and the Radiation Processing Industry – The Impact on Life Sciences

› Paul Wynne, Director and General Manager, International Irradiation Association, United Kingdom

Subjects

- New Build Projects and Advanced Reactor Concepts
- Innovative Systems and Components at Existing Nuclear Power Plants and Installations
- Nuclear Energy Sources for Scientific and Medical Applications
- Application of Radio Nuclides
- Innovative Instrumentation and Detectors
- Fusion Technology and Materials
- Plasma Physics
- Licensing Processes
- Knowledge Management
- Education and Training
- Human Capacity Building and Preservation
- Simulators

» Technical Session

Reactor Physics, Thermo and Fluid Dynamics

Keynotes

Actual Challenges for Core-Design

› Uwe Stoll, Scientific and Technical Director, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH, Germany

Anomaly Detection in Operation Nuclear Reactors: Overview of the Recent Advances in the CORETEX Project

› Prof. Christoph Demaziere, Subatomic and Plasma Physics, Department of Physics, Chalmers University of Technology, Sweden

Subjects

- Mathematical Methods, including Numerical Procedures
- Computer Codes
- Application of Advanced Computer Systems
- In-core Management Codes
- Core Design
- Design of Core Cooling Systems
- Nuclear Data for Reactors
- Reactor Dynamics and Reactor Control
- Fuel Management Systems
- Criticality Analysis Actinides
- Experiments and their Interpretations
- Thermodynamics and Fluid Dynamic Aspects in Safety
- Plant Dynamics and Plant Control
- Nuclear and Thermodynamic Design of Research Reactors

Enhanced Safety & Operation Excellence

» Technical Session

Operation and Safety of Nuclear Installations, Fuel

Keynotes

Operational Experience Exchange – Relevant Source for Safety Improvements

› Ulrich Sander, Head of Event Analysis and Nuclear Safety Commissioner, EnBW Kernkraft GmbH, Germany

From Operations to Decommissioning – Well Prepared Saves Time and Money

› Thomas Hanisch, Head of Nuclear Safety and Security
› Andreas Dinter, Head of CoC Decommissioning and Disposal, PreussenElektra GmbH, Germany

Operational Excellence – from Mission to Reality

› Norbert Goschler, Head of Operational Excellence, Nuclear Power Plant Isar, Germany

Subjects

- Reactor Chemistry and Power Plant Chemistry
- Component Materials and their Characteristics in Operation
- Mechanical Components and Systems in Reactor Plants
- Components of Auxiliary and Ancillary Systems
- Turbine Plants
- Electrical and I&C Equipment
- Computer-based Operation
- Maintenance and In-Service Inspection
- Quality Assurance
- Organisation of Power Plant Operation
- Man-Machine Interfaces
- Legal Aspects of Operation
- Operation of Research Reactors
- Application of Research Reactors
- Safety Analysis of Commercial Reactors for the Whole Lifetime and for all Operational States
- Safety Analysis in Waste Management
- Reliability and Safety of Nuclear Power Plants
- Safety Aspects of Research Reactors
- Periodic Safety Inspections and Safety Management
- Experimental Safety Studies
- Safety Evaluation of Backfitting Measures
- Passive Safety Systems for Accident Prevention and/or Mitigation
- Probabilistic Safety Assessment
- Probabilistic Risk Analysis
- Risk Informed Decision Making
- Design and Design Exceeding Accidents
- Accident Management and Severe Accident Management Guidelines
- Development and Application of Severe Accident Codes
- Severe Accident Research
- Radiation Protection
- Emergency Radiation Protection Measures
- Fuel Supply, Enrichment and Reprocessing
- Fuel Management
- Materials, Design and Fabrication
- Operational Behaviour
- In-pile Experiments
- Safeguards

Decommissioning Experience & Waste Management Solutions

» Technical Session

E/D tsi E/D

Decommissioning of Nuclear Installations

Keynotes

Japanese Status on Decommissioning

› Prof. Satoshi Yanagihara, Professor for Nuclear Decommissioning, University of Fukui, Japan

Overview on Decommissioning and Related R&D

› Christine Georges, Head of Prospective and International Development, French Alternative Energies and Atomic Energy Commission (CEA), France

TBA

› N.N.

Subjects

- Decommissioning of Nuclear Power Plants and Research Reactors
- Decommissioning Installations of the Fuel Cycle
- Licensing and Legal Aspects of Decommissioning
- Radiation Protection
- Radiological Characterization as Basis of Decommissioning Concepts
- Management of Decommissioning Waste

» Technical Session

E/D tsi E/D

Radioactive Waste Management, Storage and Disposal

Keynotes

Waste Treatment/Immobilization and Management at a Glance

tbc

› Prof Michael I. Ojovan, Imperial College London, Visiting Professor, United Kingdom

Optimierte Behälter- und Verpackungsplanung für schwach- und mittelradioaktive Abfälle

tbc

› Dr. Anton Philipp Anthofer, Group Manager Nuclear Services, VPC GmbH, Germany

Experiences from a Decommission Project Regarding Packaging and Optimization

tbc

› Karsten Beier, Head of Department Project Management/ Disposal, EWN Entsorgungswerk für Nuklearanlagen GmbH, Germany
› Ralf Borchardt, Director Projects, EWN Entsorgungswerk für Nuklearanlagen GmbH, Germany

Subjects

- Treatment and Storage of Fuel Elements and Radioactive Waste
- Management of Operational Waste
- Transportation
- Interim and Final Storage
- Characterization of Radioactive Waste
- Characterization of Treated Radioactive Waste (Containers for Storage)
- Acceptance Criteria
- Radiation Protection During Management, Transportation and Storage

Further Information

Contact

Submission

› amnt-submission.com

Further Information

› www.amnt2019.com

If you need assistance, you may call the conference hotline

› **+49 221 98864 923**

or send an e-mail to the conference help desk

› amnt2019@lyve.de

Host

DAtF (German Atomic Forum)

KTG (German Nuclear Society)

INFORUM Verlags- und Verwaltungsgesellschaft mbH (Organiser)

Robert-Koch-Platz 4

10115 Berlin

Germany

Media Partner

atw – International Journal for Nuclear Power

› www.nucmag.com

Chairs of Review Committees and Keynote Coordinators

›› Technical Session: Know-How, New Build and Innovations

› Chair of Review Committee and Keynote Coordinator

Dr. Matthias Lamm, Framatome GmbH

›› Technical Session: Reactor Physics, Thermo and Fluid Dynamics

› Chair of Review Committee

Dr. Andreas Wielenberg, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH

› Keynote Coordinator

Dr. Tatiana Salnikova, Framatome GmbH

›› Technical Session: Operation and Safety of Nuclear Installations, Fuel

› Chair of Review Committee

Dr. Thorsten Hollands, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH

› Keynote Coordinator

Dr. Erwin Fischer, PreussenElektra GmbH

›› Technical Session: Decommissioning of Nuclear Installations

› Chair of Review Committee and Keynote Coordinator

Martin Brandauer, Karlsruhe Institute for Technology (KIT)

› Keynote Coordinator

Thomas Seipolt, NUKEM Technologies Engineering Services GmbH

›› Technical Session: Radioactive Waste Management, Storage and Disposal

› Chair of Review Committee

Dr. Alexander Zulauf, NUKEM Technologies Engineering Services GmbH

› Keynote Coordinator

Dr. Anke Traichel, EWN Entsorgungswerk für Nuklearanlagen GmbH

