XXXV NEC User Group Meeting

12th – 14th June 2024

Hamburg

Agenda

Day 1 – Wed 12th June 2024

Day 1 – Wednesday 12. June 2024		
	Presentations	**Presenter**
14:00 – 14:20	**Welcome reception to the NUG Meeting**	NUG NEC Corporation
14:25 – 14:55	**NEC's contribution to future HPC markets**	Masaki Kondo NEC Corporation
15:00 – 15:30	**Next EU Vector Accelerators for World-wide HPC Customers**	Dr. Francesc Guim Openchip and Software Technologies
15:30 – 15:45	Break	
15:45 – 16:15	**Welcome to Hamburg!** **A tour of the city, science and HPC**	Dr. Hinnerk Stüben Hamburg University
16:20 – 16:50	**Takum: A New Tapered Precision Machine Number Format**	Laslo Hunhold University of Cologne
16:55 - 17:05	**Short introduction of NEC Laboratories**	Verena Heusser NEC Laboratories Europe GmbH
17:05 – 17:30	**General Assembly**	NUG
17:30	**Evening program with dinner**	

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Day 2 – Thu 13ᵗʰ June 2024 (1)

Day 2 – Thursday 13. June 2024		
	Presentations	**Presenter**
09:30 – 10:00	**CLAIX: One-Cluster-Concept for Convenient and Secure Scientific Computing at RWTH Aachen University**	Dr. Tim Cramer University Aachen – RWTH
10:05 – 10:35	**Site Update: NEC-Systems-Bouquet at TU Dresden**	Martin Schroschk Technische Universität Dresden
10:35 – 10:45	Break	
10:45 – 11:15	**HPC security for non-experts** This talk is about how common sense and standard Unix/Linux knowledge can help to improve the security of HPC systems.	Dr. Hinnerk Stüben Hamburg University
11:20 – 11:55	**Introduction of mdxII, a new cloud infrastructure deployed at Osaka University**	Prof. Susumu Date Osaka University
11:55 – 13:00	Lunch	

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Day 2 – Thu 13ᵗʰ June 2024 (2)

13:00 – 13:30	**A Constraint Partition Method for Efficiently Solving Combinatorial Optimization Problems**	Prof. Kazuhiko Komatsu – Tohoku University
14:00	**Social Event and Dinner in Hamburg City**	

Social Event and Dinner in Hamburg City
A large port tour through the container and cruise terminals , through locks, canals past the highlights such as the fish market, the gigantic Blohm+Voss docks, the Elbphilharmonie concert hall and HafenCity. If the water level is suitable, we will also pass through the historic warehouse district
The dinner will take place at the Rickmer Rickmers which is a restaurant located on a boat as well.

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Day 3 – Fri 14th June 2024

Day 3 – Friday 14. June 2024		
	Presentations	**Presenter**
10:00 – 10:30	**Introduction of AOBA-S, the world's largest SX-Aurora TSUBASA system operating at Tohoku University**	Prof. Hiroyuki Takizawa Cyberscience Center, Tohoku University
10:35 – 11:05	**Mass data and long term archive with Versity**	Andreas Göttlicher NEC Deutschland GmbH
11:10 – 11:45	**RISC-V Vector Extension, a comparison with SX-Aurora**	Dr. Erich Focht Openchip and Software Technologies
11:45	**Lunch**	

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General Assembly 12th June 2024

Agenda

1. Quick Introduction to NUG
2. Financial Report 2023 by Treasurer
3. Topics for Voting

Quick Introduction to NUG

NEC User Group (NUG)

NUG is an **international forum** of users of NEC HPC with the objectives:

- to **meet** on a regular basis
- to **share experience** and ideas
- to identify **common problems** and to look for solutions
- to define **common user needs** and strategy
- to initiate **cooperation among** the users and between the users and NEC Corporation
- to provide a focal point for the user community to formulate their needs and interests and to present them to NEC Corporation for the solution to problems and for the development of their future HPC systems
- to receive **advance information by NEC** Corporation on their new HPC products

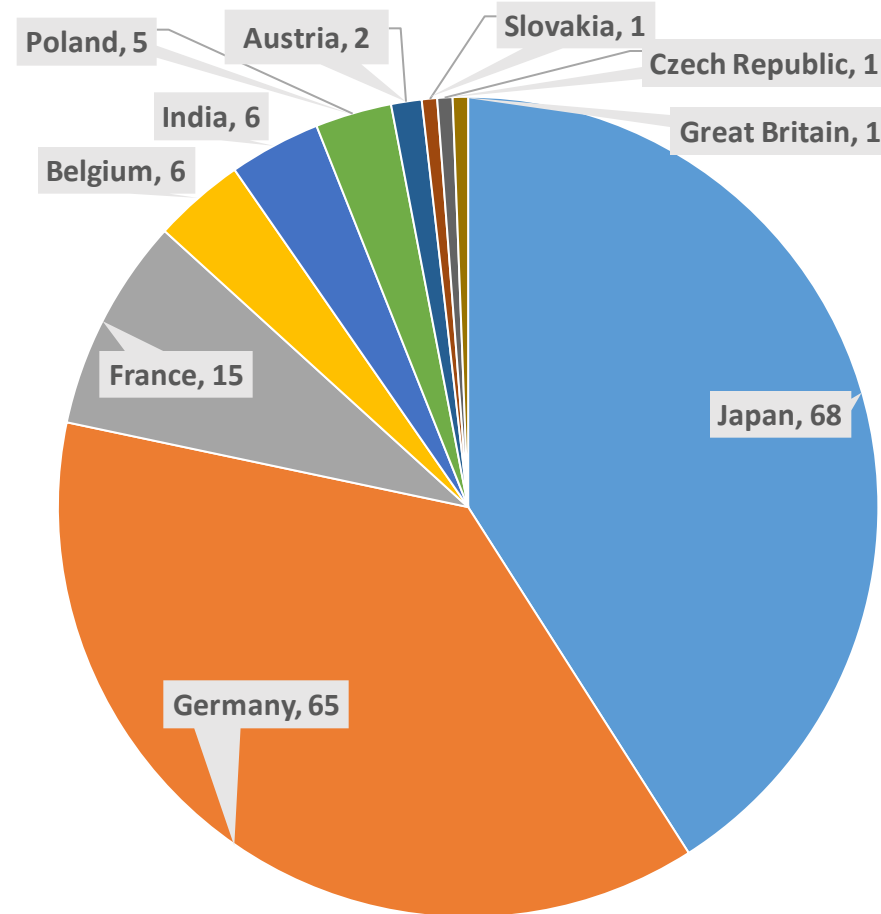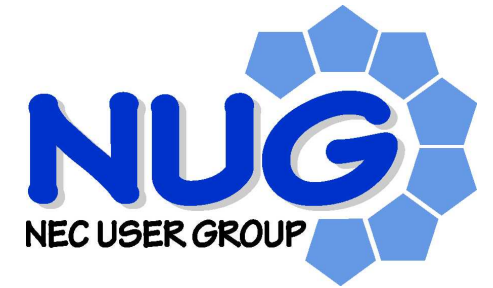NUG is the successor to the NEC User Group initiative started in the year 1991.

NUG is a Society according to Article 60 and following of the Swiss Civil Law (ZGB).

More information: https://nug-society.com/statutes/

NUG in numbers:

ca. 200 registered Members

>120 registered for the newsletter

NUG
NEC USER GROUP

Pie chart of registered members by country:
- Japan, 68
- Germany, 65
- France, 15
- Belgium, 6
- India, 6
- Poland, 5
- Austria, 2
- Slovakia, 1
- Czech Republic, 1
- Great Britain, 1

NUG Website and Mailing List

- There is a GDPR (DSGVO) compliant **mailing list: contact@nug-society.com**

- The Website www.nug-society.com
  is hosted in **Germany** and is compliant with the DSGVO (GDPR)

- Besides the **Agenda** for the current NUG meeting there is also an **archive** of all previous events!

NUG Committee

The Committee consists of:

- **Chairwoman** (currently: Radmila Brožková from CHMI)

- **Vice-Chairman** (currently: Professor Hiroyuki Takizawa from Tohoku University)
  - Their term of office is **2 years**, and only one consecutive re-election is possible
  - Elected by the General Assembly by **simple majority** of the members present
  - **Chairman** and **Vice-Chairwoman** were elected in 2022 and need to be re-elected

- **Secretary-Treasurer** (currently: Rita Maldonado from NEC Deutschland GmbH)
  - Term of office is **2 years**, but re-election is possible

Financial Report 2023 by Treasurer

Rita Maldonado

**NEC User Group
General Assembly 2024**

General Assembly

Hamburg 12.06.2024

Financial Report 2024

Rita Maldonado (Treasurer 2023/2024)

Financial Report (NUG 2024): Review estimated Dec 2023

- **Balance as of December 31, 2021:** 30.602,19 €
    - NUG Meeting 2022 (online meeting May10.-11.)
        - payments received , +0,00 €
        - Conference costs (cancelation) -2.674,00 €
        - Account fees and planning -119,60 €
    - ✓ an auditor was not required as there was no turnover
- **Balance as of December 31, 2022:** 27.808,59 €
    - NUG-Meeting 2023 (Offenbach, June 20.-22.)
        - 17 payments received, +2.450.00 €
          45 payments still missing approx. (+6.700,00 €)
        - Conference costs (rooms, transport, infrastructure, ...) approx. -14.400,00 €
        - Account fees and planning approx. -150,00 €
    - ✓ Estimated projection including future payments and invoices
- **Expected Balance as of December 31, 2023** *approx. 22.100,00 €*

=> *Estimated balance for year 2023 (presented at NUG 2023)*

- Balance as of December 31, 2021:   30..602,19 €
    - NUG-Meeting 2022 (Online-Meeting)
        - payments received ,   +0,00 €

        - Conference costs (rooms, transport, infrastructure, ...)   -2.674,00 €
        - Account fees and planning   -119,60 €

    ✓ an auditor was not required as there was no turnover
- Balance as of December 31, 2022:   27.808,59 €
    - NUG-Meeting 2023 (Offenbach June 20.-22.)
        - 58 payments   +8.537,00 €

        - Conference costs (rooms, transport, infrastructure, ...)   - 12.949,86 €
        - Account fees and planning   -154,00 €
    ✓ Auditors who certified correctness on June 2024 Tim Cramer
    ✓ Balance as of December 31, 2023   23.241,73 €

=> Final balance for year 2023

Financial Report (NUG 2024): Estimate Dec 2024

- **Balance as of December 31, 2022:**   **27.808,59 €**
  - NUG-Meeting 2023 (Offenbach June 20.-22.)
    - payments received ,   +8537,00 €
    - Conference cancelation costs (rooms, transport, infrastructure, ...)   -12.949,86 €
    - Account fees and planning   -154.00 €
  - ✓ Auditors who certified correctness on June 2024 Tim Cramer

- **Balance as of December 31, 2023:**   **23.241,73 €**
  - NUG-Meeting 2024 (Hamburg, June 12.-14.)
    - 2 payments received for NUG2023   +300,00 €
    - 6 payments received,   +2.100,00 €
      32 payments still missing   approx. (+10.950,00 €)
    - Conference costs (rooms, transport, infrastructure, hotel prepayment ...)   approx. -14.200,00 €
    - Account fees and planning   approx. -170,00 €
  - ✓ Estimated projection including future payments and invoices
- **Expected Balance as of December 31, 2024**   *approx. 22.300,00 €*

=> Estimated balance for year 2024

Topics for Voting

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NUG General Assembly: Votings

◆ VOTE:

◆ Exoneration/discharge of current provisional treasurer Rita Maldonado (NEC)

◆ VOTE:

◆ Re-election of Incumbent Chairwoman: Radmila Brožková (CHMI)

◆ VOTE:

◆ Re-election of Incumbent Vice Chairman: Hiroyuki Takizawa (Tohoku University)

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