



# Introduction

**RD51 Collaboration Meeting (4-8 Dec 2023, CERN)**

E. Oliveri, M. Titov

# RD51 MPGD School

<https://indico.cern.ch/event/1239595>

Thank you  
RD51 MPGD School



**RD51**  
Micro Pattern Gaseous Detectors  
School  
CERN  
27 November - 1 December 2023

**Scientific program**

- Gas detector physics
- MPGD technologies
- Readout technologies
- Sensors and packaging
- Manufacturing techniques
- Applications of MPGDs

Attendees will be dedicated to hands-on laboratory exercises. Students are invited to present a poster in a dedicated session. School website and registration: <https://indico.cern.ch/event/1239595> Registration deadline: July 17, 2023. Free registration (supported by EUS1 Collaboration). Contacts: Florian Durringer (CERN), Mauro Iodice (INFN Roma Tre).

Lecturers will be given by:

- John Worrall (LMU Munich)
- Marco Costantini (Politecnico di Torino)
- Rui Di Oliveira (CERN)
- Fabrizio Ferro (INFN Ferrara)
- Ralf Gassler (CERN)
- Wolfgang Hülsmann (INFN Trieste)
- Michael Lechner (University of Bonn)
- Frank Oenert (CERN)
- Davide Piro (INFN Roma)
- Fabio Sauli (CERN)
- Ugo Verterzi (CERN)
- The Supervisor Ben Durr

Lectures sessions will open to the community and can be followed in person or by remote connection.

A special thanks to all **lecturers and tutors.**

A gigantic thank to **Florian and Mauro** for the enormous work done and the excellent result achieved.

**PLEASE NOTE...**

More information on Friday, **WG8 Session** with School wrap-up and contribution from participating students

# The third International Conference on Detector Stability and Aging Phenomena in Gaseous Detectors

3<sup>rd</sup> International Conference on  
**DETECTOR STABILITY AND  
AGING PHENOMENA IN GASEOUS DETECTORS**

CERN, Geneva  
6-10 November, 2023

Deadline for registration: 1 October, 2023  
Deadline for abstract submission: 1 August, 2023  
The conference proceeding will be published in NIMA

**Local Organizing Committee**  
Florian Bruchmann, CERN, Switzerland  
Anna Collares, Universita' and INFN Bari, Italy  
Roberto Gatti, CERN, Switzerland  
Rezaei Mardani, CERN, Switzerland  
Dario Paganoni, CERN, Switzerland  
Lorenz Rappoldt, CERN, Switzerland  
Makoto Tera, CEA Saclay, France

**International Advisory Committee**  
Mar Caporin, CERN, Switzerland  
Paulo Ferreira, IP Coimbra, Portugal  
Chris Gombos, GSI, Germany  
Piero Geiss, GSI, Germany  
Mehmet Hakkimov, Florida Institute of Technology, USA  
Piero Inigo, Universita' e INFN sezione di Napoli, Italy  
Fabrice Leschinski, Universita' Paris-Saclay, France  
Carsten Malchow, DESY, Germany  
Masahito Minji, Osaka University, Japan  
Gabriele Pugliese, Politecnico di Bari and INFN, Italy  
Walter Roeschke, Johannes Kepler University, Austria  
Burkhard Schmitt, CERN, Switzerland  
Shoji Ueda, KEK, Japan  
Peter Wenz, Forschungszentrum Jülich GmbH, Germany

**Registration, Contact & Info**  
Website: <https://indico.cern.ch/event/1237829>  
Contact: [DetectorAgingStability2023@cern.ch](mailto:DetectorAgingStability2023@cern.ch)  
Secretary:  
[Secretary@DetectorAgingStability2023@cern.ch](mailto:Secretary@DetectorAgingStability2023@cern.ch)

CERN

For sharing new results, new ideas, new facility requirements and to continue the initiative started in 1986 with the first workshop held at LBL (Berkeley) and in 2001 at DESY (Hamburg).



6-10 Nov 2023, CERN

<https://indico.cern.ch/event/1237829/>

# 11th conference on 'Large TPCs for Low-Energy Rare Events'



## 11th Symposium on Large TPCs for low-energy rare event detection

11–13 Dec 2023  
Université Paris Cité  
Europe/Paris timezone

<https://indico.cern.ch/event/1272184/overview>

Free Registration (mandatory)

PLEASE  
NOTE...

### Organizing committee:

Paul Colas, Esther Ferrer Ribas, Theopisti Dafni, Ioannis Giomataris, Igor Garcia Irastorza, Thomas Patzak

Alexandra Kallitsopoulou, Sarodia Vydelingum

Extensive discussion of present and future projects using a large TPC for low-energy, low-background detection of rare events (low-energy neutrinos, double beta decay, dark matter, solar axions)

- *Special event dedicated to Ioannis Giomataris retirement.*
- *The TPC idea, 50 years ago, D. Nygren*
- *TPC, the next 50 years, D. G. Diaz*

# MPGD 2024 and 2026

PLEASE  
NOTE...

Thursday from 2pm

14:00 → 15:40 MPGD conference

Convener: Theodoros Geralis (Nat. Cent. for Sci. Res. Demokritos (GR))

The 8th International Conference on Micro Pattern Gaseous Detectors, MPGD2024, will take place in Hefei, China, from October 14 to October 18, 2024.

The MPGD conference series started in 2009 and take place every two years. Previous MPGD conferences were organized all around the world in Kolymvari, Crete, Greece (2009), Kobe, Japan (2011), Zaragoza, Spain (2013), Trieste, Italy (2015), Philadelphia, USA (2017), La Rochelle, France (2019), and Weizmann, Israel (2022). The MPGD2024 will be hosted by the University of Science and Technology of China.

The conference will follow the tradition of the MPGD conference series to bring together researchers in the MPGD communities around the world to discuss new results and developments in the MPGD field and look towards future perspectives.

The conference program will comprise a series of plenary sessions for invited and contributed talks and a poster session to offer further opportunities to present research work at the conference.

Topics covered in the conference include

- MPGD technologies
- Detector physics
- Detector performances
- Simulations and software
- Applications
- Electronics
- Production techniques
- Future perspectives

14:00

**MPGD2024 Conference organization**

Speaker: Jianbei Liu (University of Science and Technology of China (CN))

14:10

**MPGD2026 proposal for organization - University of Coimbra**

Speaker: Joaquim Marques Ferreira Dos Santos (Universidade de Coimbra (PT))

14:25

**MPGD2026 proposal for organization - Roma**

Speaker: Emanuele Di Marco (INFN, Roma 1 (IT))

14:40

**MPGD2026 proposal for organization - Czech Technical University**

Speaker: Hugo Natal Da Luz (Czech Technical University in Prague)

14:55

**MPGD2026 proposal for organization - University of Delhi**

Speaker: Mohammad Naimuddin Naimuddin (University of Delhi (IN))

15:10

**MPGD2026 proposal for organization - University of Hamburg**

Speaker: Konstantinos Nikolopoulos (Hamburg University (DE))

15:25

**MPGD2026 proposal for organization - Michigan State University**

Speaker: Marco Cortesi (Michigan State University (US))

<https://mpgd2024.aconf.org/index.html>

# DRD1

This Morning

- Monday 4, 10: 1st meeting of the DRDC (Closed), **DRD1 Proposal: Development of Gaseous Detectors Technologies**

Wednesday

- Wednesday 6: Two hundred and forty-seventh Meeting of the CERN Research Board (Closed), **DRDs Approval**

Friday

- Friday 8, 2pm: DRD1 Community Meeting (Open), **DRD1 management candidates' open presentations**

## DRD1 R&D Collaboration

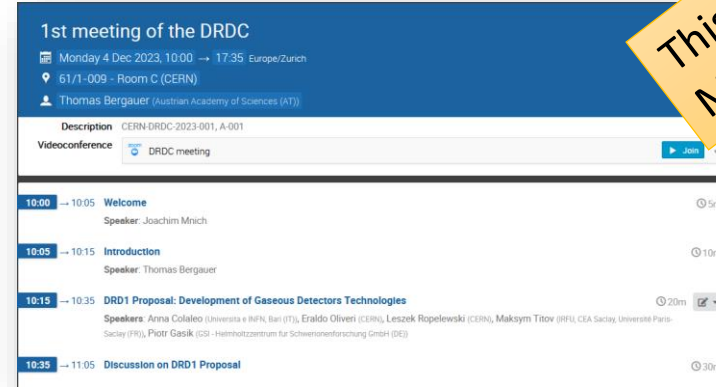
### Development of Gaseous Detectors Technologies

“ DRD1 Extended R&D Proposal ([link](#)) ”



<https://drd1.web.cern.ch/>

Submitted Proposal: <https://cernbox.cern.ch/s/ZLUOEzRBJ7sdhVA>



This Morning



To be approved at CERN Research Board on Wednesday December 6

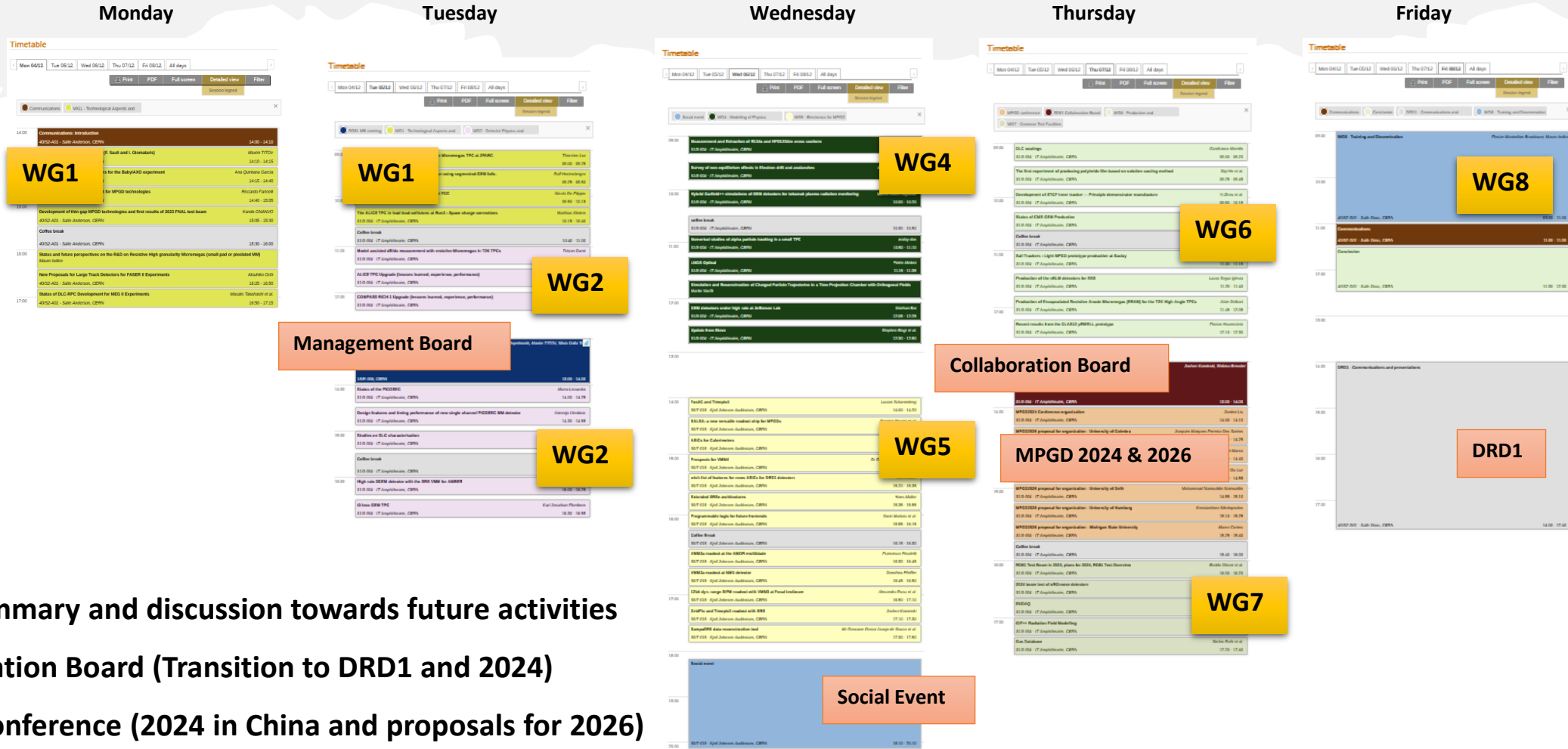
PLEASE NOTE...

Friday Afternoon, DRD1 Community Meeting with Spokesperson and CB Chair open presentation (<https://indico.cern.ch/event/1352912/>)

# Agenda

<https://indico.cern.ch/event/1327482/timetable>

**PLEASE  
NOTE...**



- **WGs:** summary and discussion towards future activities
- **Collaboration Board** (Transition to DRD1 and 2024)
- **MPGD Conference** (2024 in China and proposals for 2026)
- **DRD1 Community Meeting**
- **Social event** to celebrate the past 15 years working together

**Your active participation will be central**

# Agenda

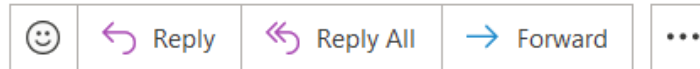
<https://indico.cern.ch/event/1327482/timetable>

your suggestions needed for WG5 session next week: ASIC wishlist



Hans Muller

To **rd51-wg5-contacts (Members of RD51 Working Group 5 (Electronics))**



Sun 12/3/2023 8:21 PM



Dear colleagues

The agenda of our last WG5 electronics meeting on Wednesday afternoon

<https://indico.cern.ch/event/1327482/sessions/510775/#20231206>

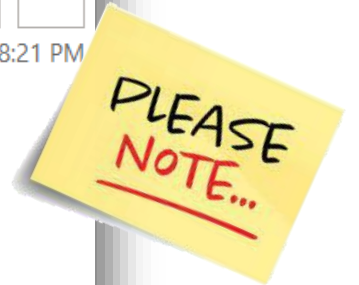
includes the discussion point

"wish-list of features for news ASICs for DRD1 detectors"

Attached an incomplete draft for this discussion, please send your suggestions to be included in the final list on wednesday.

best regards

-Hans and Jochen



DRAFT

## Wishlist future ASIC

Ad-hoc draft for suggestions  
towards a common ASIC for gas detectors

Please send suggestions **before** the Wednesday 6 Dec WG5 meeting

Wednesday Afternoon, your **inputs are crucial.**

Contact H. Muller and J. Kaminski



# Rooms

- Monday: 40/S2-A01 - Salle Anderson
- Tuesday: 31/3-004, IT Amphitheatre
- Wednesday Morning: 31/3-004, IT Amphitheatre
- Wednesday Afternoon: 30/7-018 Kjell Johnsen Auditorium
- Thursday: 31/3-004, IT Amphitheatre
- Friday: 40/S2-D01 - Salle Dirac



PLEASE  
NOTE...

# Social Event

**Wednesday, December 6 from 6pm @ 30/7-018 Kjell Johnsen Auditorium**

Celebrating the end of a very stimulating period for many of us  
and  
the legacy left for the future

# ICFA Instrumentation Awards 2023



Early Career Award  
**Konstantinos  
Mavrokoridis**  
(Liverpool)

For the development of an innovative 3D optical readout for liquid argon time projection chambers that uses novel glass thick GEMS (THGEM) coupled to very fast Timepix cameras to provide high-granularity images and low-energy thresholds.



**Ioannis Giomataris**  
(CEA Saclay)

For the development of novel micropattern gas detector technologies enabling the construction of large-scale detectors with novel geometries for particle physics, and also widespread application to other fields.



**Fabio Sauli**  
(CERN)

For the development of novel micropattern gas detector technologies enabling the construction of large-scale detectors with novel geometries for particle physics, and also widespread application to other fields.



*The ICFA Instrumentation Award  
(K. Mavrokoridis I. Giomataris, F. Sauli)*

*M. Titov*

*RD51 CM, WG1 Session*

<https://icfa-iid.physics.ox.ac.uk/>