

# 3rd Bell Symposium

*Bells:  
Acoustic cultural assets and  
technically challenging instruments*

**20 – 21 September 2022**  
**Kempton University of Applied Sciences**

[www.hs-kempton.de](http://www.hs-kempton.de)



European Competence Centre for Bells

**ECC-ProBell®**

Kempton University of Applied Sciences

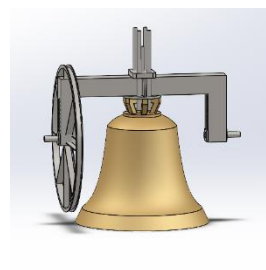
## **Bells: Acoustic cultural assets and technically challenging instruments**

The sound of bells has been known in Europe since the early Middle Ages and has influenced European cultural history ever since. To this day, bells and their sound continue to fascinate people, largely regardless of their religious orientation. It is therefore a just concern to have bells and the sound of bells permanently recognised and protected as intangible cultural assets.

In order for bells to be able to sound, complex and technically demanding problems have to be solved – especially when ringing bells –, which not only affect the quality of the sound, but also stress and damage to the bell as well as to all subordinate components, including the bell tower.

The 3rd Bell Symposium would like to address the questions of how the precious cultural asset of bells and the sound of bells can be promoted in the long term and permanently perceived as part of our European culture. In addition, it intends to look at how, at the same time, good technical and scientific action can be taken to protect bells and protect them from damage as well as their sound quality can be made to sound.

The symposium sees itself as an impetus for exchange and discussions between bell experts from all over Europe for a sustainable, preserving handling of bells, in view of diverse ringing techniques and different cultural perspectives on bells and sound aesthetics.



## **Registration**

Please register using the form on our website at [www.ecc-probell.de](http://www.ecc-probell.de). You will then receive confirmation and an invoice from us, which must be paid within the specified period. The registration deadline is Wednesday, 31 August 2022.

## **Participation fee**

€ 230 incl. VAT

(includes: conference proceedings, translation services, drinks during breaks, lunch buffet & evening buffet)

## **Translation service**

For the first time, the symposium will be conducted in two languages (German/English) in order to enable networking between bell experts across national borders. In order to facilitate understanding and exchange, all lectures and the following discussions will be translated into German/English. If you would like to use the translation service, please indicate this on the registration form.

## **Current information**

Information about registration, directions to the venue and parking advice, together with updates to the programme, can be found at [www.ecc-probell.de](http://www.ecc-probell.de).

## **Venue**

Kempton University of Applied Sciences  
Bahnhofstr. 61  
87435 Kempton  
Germany

## **Organizer & Contact details**

European Competence Centre for Bells ECC-ProBell®

Contact: Ramona Frick

Tel. +49 (0)831 2523-682

Fax +49 (0)831 2523-365

Email [info@ecc-probell.de](mailto:info@ecc-probell.de)

Supported by:



## Tuesday, 20 September 2022

9:00 a.m. Registration and gathering

10:00 a.m. Welcome

10:30 a.m. Current research and projects by ECC-ProBell

- **Was ist eigentlich ein ProBell Klöppel? Grundlegendes zur Auslegung und Berechnung optimierter Klöppel**  
Andreas Rupp; ECC-ProBell
- **Klangveränderungen und Glockenschäden – Anwendung und Erfahrungen mit dem musikalischen Fingerabdruck von Glocken**  
Michael Plitzner, Andreas Rupp; ECC-ProBell
- **Einflüsse von Lütewinkel und Joch auf die Beanspruchung von Glockenkronen**  
Ramona Frick, Andreas Rupp; ECC-ProBell
- **Glockenantrieb und Läuteverhalten – Einfluss von Läuteparametern auf das Läuten**  
Andreas Rupp, Michael Plitzner; ECC-ProBell

12:30 p.m. Lunch break

1:30 p.m. Bell sound and cultural heritage

- **Aspekte zu Glockenguss und Glockenmusik als immaterielles Kulturerbe**  
Michael G. Kaufmann;  
Hochschule für Kirchenmusik Heidelberg
- **Bell chiming as cultural heritage – musical and contextual aspects**  
Mojca Kovačič; ZRC SAZU,  
Institute of Ethnomusicology Ljubljana
- **„Signum dare“ - Glockenklang und Kulturvermittlung Erfahrungen und Perspektiven aus Kärnten: „Was tut die Glocke?“**  
Horst Ragusch; Tourismusverband Klagenfurt

3:15 p.m. Break

3:45 p.m. European traditions of ringing and striking of bells

- **Unterschlagen - die Walliser Art des Glockenspiels**  
Beat Jaggy; schlagwerkstatt, Verein Carillon-VS Wallis
- **Slovenian synchronous ringing and its technical problems**  
Tomaž Klopčič; KRN sistemi za avtomatizacijo d.o.o., Moravče
- **Läutetraditionen in Österreich und Südtirol**  
Jörg Wernisch; Österreichisches Glockenarchiv Wien
- **The bell ringing cultures in Italy: characteristics, heritage, enhancement and issues**  
Romeo Dell'Era, Paolo Bordoni;  
Associazione Italiana di Campanologia

5:45 Uhr Workshops

- **Presentation of measurements to assess the damage potential of ringing bells**  
ECC-ProBell
- **Recording the musical fingerprint**  
ECC-ProBell
- **Tower vibration measurement**  
Wolfram Kuhlmann – Bell tower St.Ulrich in Kempten

7:00 p.m. Aperitif and Evening program

## Wednesday, 21 September 2022

9:00 a.m. Bell engineering and oscillation of bell towers

- **Veränderungen in den Anforderungen für Restaurierung und Betrieb von Glocken- und Turmuhrenanlagen**  
René Spielmann, Mischa Gebert; Syneos GmbH Aarau
- **Bauteile aus Holz - Tradition oder Moderne?**  
Patrick Minkus; IngenieurGruppe Bauen Mannheim

- **Kreative verlässliche Lösungen bei zu großen Glockenturmschwingungen**  
Wolfram Kuhlmann; Technische Hochschule Köln
- **Untersuchungen zur Schwinggeschwindigkeit als Bewertungsmaßstab von Glockentürmen**  
Karl G. Schütz, Axel Greim; Dr. Schütz Ingenieure Kempten

11:00 a.m. Break

11:30 a.m. Acoustics and sound

- **Vom Lärm zum Wohlklang – Läuteglocken in offenen Türmen**  
Christian M. Thesen, Jan Podzorski; H. Rüetschi AG Aarau
- **Geläute heute – Automatisch extrahierte Audiomerkmale zur Klangbeurteilung von läutenden Glocken**  
Marik Roos, Christoph Reuter;  
Institut für Musikwissenschaft der Universität Wien

1:00 p.m. Lunch break

2:00 p.m. Bells – interactive – innovative

Moderated professional exchange on following topics:

- European traditions of ringing
- Bells & Technology
- Protection and preservation of bells
- sound of bells

4:00 p.m. Conclusion and outlook

Each thematic block includes the impulse lectures listed in the program, each lasting 15-20 minutes, followed by time for questions, discussions and exchange between the speakers in the plenary session and the participants.