

**TIMO REPO**

Liisankatu 27 G 21  
00170 Helsinki  
timo.repo@helsinki.fi



1. Personal details

- *Surname, given names:* Repo, Timo Juhani
- *ORCID #:* 0000-0002-3116-6199
- *Date and place of birth:* 24.06.1967, Helsinki
- *Citizenship:* Finnish
- *website:* <https://www.helsinki.fi/en/researchgroups/catalysis-and-green-chemistry>

2. Education and degrees completed

- Ph.D., 1997, University of Helsinki, inorganic chemistry
- M.Sc., 1992, University of Helsinki, inorganic chemistry
- High School, 1986, Malmin lukio.  
*Contact details to facilitate verification of the highest degree earned:*  
Faculty of Science, P. O. Box 44 (Jyrängöntie 2) FI-00014 University of Helsinki.
- Docentship: Inorganic Chemistry/Organometallic Chemistry, University of Helsinki, 2000.

3. Current position

Professor of Inorganic chemistry, University of Helsinki, Department of Chemistry 2007 -  
Visiting professor, Technical University of Munich, Department of Chemistry 2010, 2011

4. Previous work experience

Academy research fellow (Akatemiatutkija), Academy of Finland 2003 – 2007.  
Post doc. assistant, (Tohtoriassistentti) University of Helsinki, 2002 – 2003.  
Academy researcher (Tutkijatohtori), Academy of Finland, 1999 – 2002.  
Researcher, University of Helsinki, 1994 – 1999.  
Researcher, Universität Tübingen, Germany, 1993 – 1994.  
Assistant, (assistentti) University of Helsinki, 1990 – 1993.

5. Career breaks

Military service 1987-1988.

6. Personal research funding and grants

Over \$2.5 million research funds have been awarded over the past 6 years by various governmental, industrial and commercial funding bodies. The major grants include Academy of Finland projects, EU-projects, Business Finland (former TEKES, the Finnish Funding Agency for Technology and Innovation) projects and direct support from private companies.

7. Leadership and supervision experience

*Leadership in research work:*

Leader of a 20 people's research group  
Leader of Synthesis and Analysis section at Dept. of Chemistry, Uni Helsinki 2015 -  
Vice chair of the doctoral programme in chemistry and molecular sciences (CHEMS) 2017 – 2021.  
Chair of the doctoral programme in chemistry and molecular sciences (CHEMS) 2022 -

*Supervised M.Sc. thesis (56 students)*

Yincai Su 1995, Mia Salo 1996, Marina Gustafsson 1998, Marjo Kyntäjä 1998, Antti Pärssinen 1999, Kaisa Kervinen 2000, Mika Kettunen 2000, Heikki Korpi 2000, Petro Lahtinen 2000, Kristian Lappalainen 2000, Arto Puranen 2000, Katariina Yliheikkilä 2001, Santeri Feodorow 2002, Pertti Elo 2003, Mikko Lankinen 2003, Ulla Markkanen 2004, Maija Hakola 2008, Heini Markkanen 2008, Sari Rautiainen 2008, Jaakko Tuunanen 2010, Matleena Ojanpalo 2010, Teemu Niemi 2011, Sakari Tolppanen 2011, Johannes Posti 2011, JingJing Chen 2012, Nevil Guan

## Prof. Timo Repo, Curriculum Vitae

2012, Erika Rantala 2012, Emila Streng 2012, Manuel Giraldo 2013, Laura Svärd 2013, Sandra Nurttila 2013, Tomi Iivonen 2013, Xingting Zeng 2013, Juha Keskiaväli 2013, Alekski Eronen 2014. Jane Laamanen 2015, Emmi Jeskanen 2015, Elina Autio 2015, Eeva Heliövaara 2016, Jere Mannisto, 2016, Katja Borre 2016, Aino Mykkänen 2017, Miisamari Jeskanen 2017, Alekski Sahari 2018, Vili-Taneli Salo 2018, Aja Ana Pavlic 2018, Joe Sharrat 2019, Todd Elliot 2019, Otto Hiltunen 2020, Jaakko-Pekka Karjalainen 2020, Yangming Zhu 2021, Solja Säde 2021, Jukka Puumi 2021, and Johannes Heikkinen 2021, Silja Käsäkoski 2023, Antti Lempinen 2023.

### *Supervised Ph.D. studies (32 students)*

Mika Kettunen 2004, Petro Lahtinen 2005, Heikki Korpi 2005, Kirill Axenov 2005, Pascal Castro 2005, Kristian Lappalainen 2005, Kaisa Kervinen 2005, Katariina Yliheikkilä 2006, Erkki Aitola 2006, Antti Pärssinen 2006, Minna Räisänen 2007, Pertti Elo 2009, Victor Sumerin 2010, Jahir Ahmad 2012, Maija Hakola 2013, Kostiantin Chernichenko 2013, Ahlam Sibaouih 2015, Afnan Al-Hunaiti 2015, Markus Lindqvist 2015, Sari Rautiainen 2016, Feda Al-qaisi, 2016, Juha Keskiaväli 2018, Kalle Lagerblom 2018, Teemu Niemi 2018, Uula Hyväkkö 2020, Vladimir Iashin 2020, Markku Salonen 2020, Kristina Sorochkina 2022, Emi Lagerspets 2022, Rui Zhang 2022, Jere Mannisto 2023, Alekski Sahari 2023.

### *As a responsible professor (7 students)*

Antti Hoikkala 2016, Harri Latva-Mäenpää 2017, Paula Nousiainen 2017, Eija Leppälä 2018, Tom Wirtanen 2018, Santeri Aikonen 2020, David Casadio 2022.

## 8. Teaching experience

### • *Lecture courses given:*

Basics of Organometallic Chemistry, 5 p	1998 -
Organometallics as catalysts, 3p	2000 -
Combinatorial Chemistry, 3p	2005-2017
Solution Chemistry, 5 p (for undergrad. students)	2007-2015
Green Chemistry, 5p	2008 -

### • *Teaching awards:*

The best lecturer award at Department of Chemistry	2013
--	------

## 9. Experience of organizing scientific meetings

EuCOMC 2019 in Helsinki, the main organizer, approx. 300 participants  
Kemian Päivät 2021 and 2022 (Chemistry Expo) in Helsinki, co-organizer, chair of the green chemistry program.

## 10. Patents, inventions, awards and honours

Membership (by invitation) in Finnish Academy of Science and Letters	2017-
--	-------

## 11. Scientific and societal impact of research

Over 190 refereed international journal publications in chemistry, including catalysis, green chemistry, CO<sub>2</sub> and O<sub>2</sub> activation and metal-free hydrogen activation and hydrogenation.

2 spin-off companies have evolved from my research group (Onbone Oy and Measure Oy)

Since 2008 the research of my research group has centered towards metal free activation of H<sub>2</sub>, metal free hydrogenation reactions and C-H activation. Until now, the topic has been the most visible and influential in our research and results are published in the major chemical journals. Currently our CO<sub>2</sub> chemistry is receiving increasing visibility and global interest, and it is likely turning soon to a lighthouse of my research endeavors.

## 12. Positions in trust in society and other societal merits

EU/COST, Action CM 1202, external expert	2014-2015.
EU/ COST (CMST), DC member	2010-2014.
European Chemical societies, Division of Organometallic Chemistry,	2007 -
Member of Editorial Advisory Board of ChemistrySelected (Wiley)	2022 -

Signed to confirm the information:

Helsinki, 12. 12. 2023

