



# FRAUNHOFER

# INSTITUTE FOR SYSTEMS

# AND INNOVATION

# RESEARCH ISI



## **Chronicle**

## **1972—2022**

50 years of research. For innovation and transformation.  
shaping | future | together.

1971

1972

In a study for the Federal Ministry of Education and Science, Helmar Krupp of the Battelle Institute in Frankfurt/Main suggests establishing a Fraunhofer Institute that deals with issues of systems and innovation research.

01.04.1972: The “Fraunhofer Institute for Systems Technology and Innovation Research” is established with Helmar Krupp as its director. The first seven researchers move to Breslauer Strasse 48.

In addition, four residential homes are rented in the vicinity during the period January 1973 until mid-1977.

## CHRONICLE OF FRAUNHOFER ISI

## Publication highlights

Studies with far-reaching results are published, for example, on the expectations regarding the future demand for electricity and fuel, the emerging climate change, the international competitiveness of energy-intensive industries, the revolution in the world of work due to microelectronics and ICT as well as the great importance of SMEs for innovations in Germany.



1971 // 1972 // 1973 // 1974 // 1975 // 1976 // 1977 // 1978 // 1979 // 1980 // 1981



1972

1989

Helmar Krupp as director



1977

Fraunhofer ISI is located on the premises of Fraunhofer IITB (today Fraunhofer IOSB) on Sebastian-Kneipp-Strasse.



**1982**

On the occasion of its tenth anniversary, Fraunhofer ISI finally moves to Breslauer Strasse 48. In terms of content, it sets itself apart by differentiating its research into selected areas of technology.



**1990**

**2005**

Frieder Meyer-Krahmer as director



**1991**

Fraunhofer ISI has 100 employees.



1982 // 1983 // 1987 // 1988 //



**1988**

Hariolf Grupp, Olav Hohmeyer and Ulrich Schmoch are awarded the Joseph-von-Fraunhofer special prize for their methodology to determine technology indicators.



**1990**

Fraunhofer ISI develops strategies for the reduction of energy-related greenhouse gas emissions in industry for the German Parliament's Enquete Commission "Protection of the Earth's Atmosphere".



**1991**

Olav Hohmeyer is awarded the Joseph-von-Fraunhofer prize for his method to analyze and internalize the social costs of electricity generation.

# Publication highlights

Publications with high relevance for innovations and innovation policy: For example, the first German Delphi Report “Study on the development of science and technology” is published in 1993. In 1998, a comprehensive Delphi study on the global development of science and technology systematized future issues.



## 1996

Several employees establish the “ISI Power” association. In January 1997, donations and grants are used to finance a photovoltaic plant which is expanded in the following fifteen years.



1992 // 1993 // 1994 // 1995 // 1996 // 1997 // 1998 // 1999 // 2000 // 2001

# ENERGY



## 1992

Establishment of technology foresight in cooperation with the National Institute of Science and Technology Policy in Tokyo.



## 1993

Ulrich Schmoch and Knut Koschatzky receive the Fraunhofer special prize for the development of a patent information system for medium-sized businesses.



## 1997

## 2002

From 1997 until 2002, Eberhard Jochem chairs the Panel on Climate Change. From 1999 until 2002, he is a member of the Enquete Commission Energy of the German Parliament. In 2001, he is awarded the Order of Merit of the Federal Republic of Germany.



## 2003

Fraunhofer ISI becomes an institutional partner of the Office of Technology Assessment at the German Bundestag (TAB).

## 2004

Renamed as "Fraunhofer Institute for Systems and Innovation Research".



## 2007

The Joseph-von-Fraunhofer prize is awarded to Harald Hiesl, who developed solutions for the sustainable use of water together with Fraunhofer IGB.

Fraunhofer ISI manages the BMBF Foresight Process.

Hariolf Grupp is the deputy chair of the German government's Commission of Experts for Research and Innovation (EFI).

## 2007

Marion Weissenberger-Eibl takes over as director



# DIALOGUE

2002 // 2003 // 2004 // 2005 // 2006 // 2007 // 2008 // 2009



## 2002

## 2007

From 2002 until 2007, Eberhard Jochem is a member of the first German Council for Sustainable Development.



## 2008

Between 2008 and 2010, Marion Weissenberger-Eibl is a member of the Innovation Council Baden-Württemberg.



## 2009

Fraunhofer ISI becomes a member of the European Technology Assessment Group and conducts technology impact assessments for the European Parliament.

Foundation of the Joint Research Group together with Fraunhofer ISE.

# Publication highlights

Launch of the new series "Perspectives – Policy Briefs of Fraunhofer ISI".



## 2017

Marion Weissenberger-Eibl becomes a member of the steering committee for the German government's science platform "Sustainability 2030".



## 2011

More than 200 employees work at Fraunhofer ISI.



2010 // 2011 // 2012 // 2013 // 2014 // 2015 // 2016 // 2017



## 2011

Marion Weissenberger-Eibl is an expert and head of the working group Innovation Culture for the Chancellor's Dialogue on Germany's Future.

## 2012



## 2012

The German government appoints Harald Bradke to the German Advisory Council on the Environment.

Fraunhofer ISI celebrates its 40<sup>th</sup> anniversary and hosts the Eu-SPRI Conference "Towards Transformative Governance? Responses to mission-oriented innovation policy paradigms".



## 2014

Marion Weissenberger-Eibl becomes a member of the German-Chinese Dialogue Forum.

Marion Weissenberger-Eibl is a member of the Board of Trustees of the German Federal Environmental Foundation (DBU) and a member of the Economic Committee.



## 2015

Marion Weissenberger-Eibl chairs the topic group "The future needs integrated solutions" at the 2<sup>nd</sup> International German Forum 2015 at the German Chancellor's Office.

Harald Bradke is chairperson of the VDI (Association of German Engineers) Group Energy and Environment.



## 2019

Foundation of a new Fraunhofer facility by the deputy director of Fraunhofer ISI Mario Ragwitz. Close cooperation in a joint research group of Fraunhofer ISI and the newly founded Fraunhofer Research Institution for Energy Infrastructures and Geothermal Systems IEG, Fraunhofer IEG for short.



## 2020

Barbara Schlomann becomes a member of the Council of Experts on Climate Change, which supports the German government in the application of the Federal Climate Change Act.



## 2018

Jakob Edler becomes the Executive Director of the institute



2018

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2019

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2020

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2021

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2022



## 2018

Minister-President Winfried Kretschmann initiates the “Strategy Dialog Automotive Industry Baden-Württemberg” and appoints Marion Weissenberger-Eibl to the top-level group.



## 2018

Mario Ragwitz receives the Fraunhofer-Taler.

Wolfgang Eichhammer is appointed to the Expert Group of the EU's Innovation Fund for Climate Technologies as a representative of the Fraunhofer-Gesellschaft.



## 2021

Fraunhofer ISI hosts the 12<sup>th</sup> International Sustainability Conference: “Mainstreaming sustainability transitions: From research towards impact”.

Jakob Edler is president of the European Forum for Studies of Policies for Research and Innovation (Eu-SPRI Forum) until 2021.



## 2022

Rainer Walz becomes a member of the EU Commission's expert group on the economic and societal impact of research and innovation.

## Anniversary campaign

Campaign #50Jahre50Wochen (#50years50weeks):  
Fraunhofer ISI posts a weekly insight into 50 years of  
research on social media.

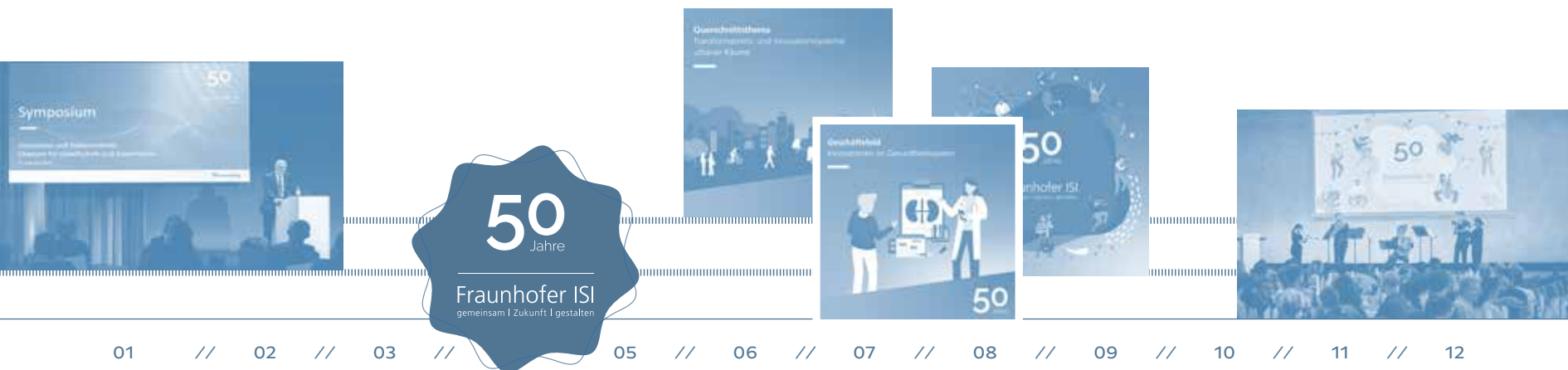
## Workshop

Workshop in Strasbourg on October 13  
and 14: Cooperation of Fraunhofer ISI  
with scientists from the Bureau d'écono-  
mie théorique et appliquée (BETA) of the  
University of Strasbourg.

## Expert Symposia

Expert Symposium in Karlsruhe on July  
19 and 20: 1.5 degrees and it's getting  
hotter ... Small and medium-sized towns:  
Acting together on climate change.

Expert Symposium in Karlsruhe on  
October 5: "Trustworthy AI in the health  
sector: challenges and solutions".



## Symposia

Symposia in Berlin on April 25 and in  
Brussels on May 2: "Innovation and sys-  
tems change: Opportunities for society  
and governance".

## Open Day

Open Day in the Gartenhalle of the Con-  
vention Centre Karlsruhe on  
July 15. Fraunhofer ISI presents itself  
and its research to the public and  
its employees.

## Anthology

Springer Publishing Company publishes an  
anniversary anthology of scientific articles  
compiled by researchers at Fraunhofer ISI  
on key topics of "Innovation and systems  
research in transition – 50 years of conti-  
nuity and change in supporting innovation  
and transformation policies".

## Ceremony

On September 15, the main anniversa-  
ry ceremony of Fraunhofer ISI takes  
place at the Center for Art and Media  
Karlsruhe.