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22. bienale
industrijskega
oblikovanja

22nd biennial of
industrial
design



22nd Biennial of Industrial Design
7 October–7 November 2010
Ljubljana, Slovenia

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International Design Exhibition 22nd Biennial of Industrial Design

7 October to 7 November 2010

Museum of Architecture and Design, Fužine Castle, Ljubljana, Slovenia



The 22nd Biennial of Industrial Design opens at the Museum of Architecture and Design on 7 October 2010. The Biennial of Industrial Design is an international exhibition of industrial design, design concepts, product graphics and information design at which a selection of innovative, comprehensive, functional and durable design solutions from 24 countries will be presented. After reviewing the 132 exhibits, an international jury of esteemed design professionals will present this year's BIO Awards. In addition to the main BIO exhibition, many accompanying events will take place during the period of the Biennial.

Submitting Works for BIO 22 and the Exhibition Selection Process

Every two years the organiser of the Biennial – the Museum of Architecture and Design/BIO Secretariat – publishes an international call for submissions and invites designers, manufacturers and clients from all over the world to submit works the exceptional characteristics of which are apparent in the combination of quality, originality, innovation, durability and functionality with which the well-designed product successfully addresses the needs of various groups of users.

Since the first BIO exhibition in 1964, there have been 21 biennial events at which designers, clients, manufacturers and students from all over the world have presented their works. Among them have been prestigious names such as **Naoto Fukusawa Design, Ron Arad, Kazuo Kawasaki, Marco Zanuso, Vitra International, Ittala, Porsche Design Studio, Siemens, Electrolux, Zanotta, Pininfarina, Ergonomidesign, Tupperware, IKEA** and many others. With its long tradition and its commitment to excellence, BIO represents an important professional networking platform in the international design world.

BIO 22 call for submission was opened from 1 February to 12 April 2010 (extended to 18 April). In response to this year's call for submissions, 503 entries were submitted from 34 countries. Applying the criteria set forth in the "Rules for Participation in the 22nd Biennial of Industrial Design", the **Selection Committee** - Veronika Egger (Austria), Ilona Gurjanova (Estonia), Cvetka Požar (Slovenia), Barbara Predan (Slovenia), Lidija Pritržnik (Slovenia), Michał Stefanowski (Poland), Nedjeljko Špoljar (Croatia), Georg Wanker (Austria) and Jonathan Young (United Kingdom) – carefully examined all works and chose the best works that will be presented at the main BIO 22 exhibition.

The committee selected **132 works from 24 countries** – **Austria, Belgium, Bosnia and Herzegovina, Brazil, Canada, Croatia, Cyprus, the Czech Republic, Finland, Germany, Hungary, Italy, Korea, Latvia, New Zealand, Poland, Portugal, Slovakia, Slovenia, Switzerland, Taiwan, Turkey, Ukraine** and the **United Kingdom**. As a result of the high standards and strict selection criteria, the selection of a work for the BIO 22 exhibition is in itself a significant accolade for designers and entrants.



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The selection of the best works will be presented at the exhibition in three groups: A. Products (66 works), B. Product Graphic and Information Design (20 works), and C. Concepts (46 works). With this year's exhibition concept and programme, the organisers will bring the event even closer to visitors and allow them to discover the special characteristics of the exhibited products via an active experience. The products will be accompanied by presentations in text form. At the same time, the key characteristics of individual groups and the criteria used to select works for the exhibition will be highlighted.



BIO Award ceremony and international Jury

Before the opening of BIO 22, all the selected and exhibited works will once again be subjected to the expert scrutiny of a prestigious **international jury** consisting of Vivian Cheng Wai Kwan (Hong Kong), Luigi Ferrara (Canada), Malcolm Garrett (United Kingdom), Peter Krečič (Slovenia) and Sanna Simola (Finland). The jury will convene on 4–5 October 2010. The jury will select the best of the exhibited works and at the opening of the exhibition will confer the BIO Design Awards – **BIO Gold Medals, Honourable Mentions, Good Concept Awards** and the **Award for a Student Work**. These awards represent an important international design accolade.



BIO 22 opening will be on **Thursday, 7 October 2010, at 7 p. m.** at the Museum of Architecture and Design, Fužine Castle. Guests will be welcomed by Matevž Čelik, the director of the Museum of Architecture and Design. The keynote speakers will be Janez Škrabec, Chair of the BIO Organising Committee, and Gregor Golobič, the Minister of Higher Education, Science and Technology. The BIO Awards will be presented by the Chair of the BIO 22 international Jury. The exhibition will be officially opened by a special guest Philippe Starck.

BIO 22 Catalogue

As with past biennials, all the exhibited works will be featured in the BIO 22 catalogue together with information about the designers, photographs and presentations of the selected products. The catalogue will also contain an extensive theoretical section. . The 21 BIO catalogues published to date have an enormous cultural and historical value in the sphere of industrial design and are an invaluable reference for design professionals and theorists at home and abroad.



The BIO 22 catalogue will be published in Slovene and English and distributed to world and home design organizations, museums, individuals and companies.

BIO 22 Accompanying program

As well as admiring the finest design achievements of the last two years, visitors to Fužine Castle will be able to take part in public guided tours, in presentations of exhibited works, and children's creative workshops, watch design films, play games with virtual design products and visit two accompanying exhibitions at Fužine Castle free of charge: *Service and Information Design: Examples of Good Practice*, organised in conjunction with the Pekinpah Association, and *The Wooden Toy*, a collaboration with the Academy of Fine Art and Design.

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In addition to the main exhibition, many accompanying events will take place during the period of the Biennial also at other locations. In conjunction with numerous partners, the programme will offer a variety of events from the design field to various groups of visitors; among them an exhibition dedicated to one of Finland's greatest architects and designers *Alvar Aalto– Timeless Expressions*, the sale exhibition *South by Southeast: Fashion Design in Southeast Europe*, the travelling exhibition *BIO presents: Best of BIO 21*, the exhibition *Crystal-clear Forms*, the international lecture series *On information design* with Malcolm Garrett and Karen Schriver, a seminar entitled *Interaction Design Shapes the Development of Information*, organized in conjunction with new main sponsor Sonce.net, and international conference 'Cradle to Cradle' for the Third Industrial Revolution.

List of BIO 22 accompanying program

Main exhibition
22 Biennial of Industrial Design
7 October–7 November 2010

Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Tuesday to Sunday, 10.00 am to 6 pm. Extended hours every Thursday, 10 am.–9 pm.



Guided visits
Public guided visits to the BIO 22 exhibition

7 October to 7 November 2010
Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Every Thursday at 6.00pm and every Sunday at 3.00pm.

Presentations
Presentations of products exhibited at BIO 22

7 October to 7 November 2010
Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Every Saturday between 3.00pm and 5.00pm.

Educational activities
Creative workshop

7 October to 7 November 2010
Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Every Sunday at 11.00am and 3.00pm.
Additional information available at izobrazevanje@aml.si
Prepared by: Siemens, d. o. o., and Museum of Architecture and Design



Schools programme

7 October to 7 November 2010
Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Tuesday to Sunday from 10.00 am to 6.00pm.

Interactive application
The Museum at Your Fingertips

7 October to 7 November 2010



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Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
7–14 October, every day for the duration of the main exhibition; 14 October to 7
November, every weekend for the duration of the main exhibition.
Prepared by: Semantika d. o. o., Microsoft Slovenia and the Museum of
Architecture and Design/BIO Secretariat



Exhibition

Opening: Thursday, 7 October 2010 at 7.00pm

Service and Information Design: Examples of Good Practice

7 October to 31 December 2010

Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Tuesday to Sunday from 10.00am to 6.00pm. During BIO 22, Thursday hours
are extended to 9pm.

Prepared by: Pekinpah Association and the Museum of Architecture and
Design/BIO Secretariat.



Exhibition

The Wooden Toy

7 October to 7 November 2010

Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Tuesday to Sunday from 10.00am to 6.00pm (late opening on Thursdays to
9.00pm).

Prepared by: Academy of Fine Art and Design and the Museum of Architecture
and Design/BIO Secretariat



The Bookshop and Store

The Design Bookshop and Store at BIO 22

7 October to 7 November 2010

Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Tuesday to Sunday from 10.00am to 6.00pm (late opening on Thursdays to
9.00pm).

Prepared by: Museum of Architecture and Design/BIO Secretariat

Screenings

Documentaries on Design

7 October to 7 November 2010

Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Every Thursday at 7.00pm.

Prepared by: Museum of Architecture and Design/BIO Secretariat

Thursday, 14 October 2010

Objectified (Gary Hustwit, USA, 2009, 75 min)

Thursday, 21 October 2010

Helvetica (Gary Hustwit, USA, 2007, 80 min)

Thursday, 28 October 2010

The Next Industrial Revolution (Christopher Bedford in Shelley Morhaim,
USA, 2002, 55 min)

Thursday, 4 November 2010

Nightline: Deep Dive (ABC News, USA, 1999, 20 min)



Travelling exhibition

BIO presents: Best of BIO 21

21–26 August 2010

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INPAK and AGRA trade fairs, Pomurski Sejem, Cesta na stadion 2, Gornja Radgona

Open from 9.00am to 7.00pm.

Prepared by: Museum of Architecture and Design/BIO Secretariat in conjunction with Pomurski Sejem d. d.



Workshop

Creative ReDesign: Recycling in Design

13–18 September 2010

Kreativna šola, Dolenjska cesta 83, Ljubljana

Workshop: Monday to Friday, 4.30–8.30pm

Exhibition: Saturday, 12.00–4.30pm

Prepared by: Studio 2050 and Atelje 2050



Travelling exhibition

Opening: Tuesday, 21 September 2010 at 7.00pm

BIO presents: Best of BIO 21

21 September to 5 November 2010

Vizionarna, Pipistrel d. o. o., Goriška cesta 50a, Ajdovščina

Open on weekdays from 7.00am to 11.00am and from 12.00pm to 3.30pm.

Prepared by: Museum of Architecture and Design/BIO Secretariat and Pipistrel d. o. o.



Exhibition

Opening: Tuesday, 28 September 2010 at 7.00pm

Crystal-clear Forms

28 September to 7 November 2010

Rogaška's exclusive showroom and gallery at Mestni Trg 22, Ljubljana

Open Monday to Saturday from 9.00am to 8.00pm and Sundays from 10.00am to 2.00pm.

Prepared by: Steklarna Rogaška d. d.



Sale exhibition

Opening: Friday, 1 October 2010 at 8.00pm

South by Southeast: Fashion Design in Southeast Europe

1–31 October 2010

Temporary Showroom, Vošnjakova 4, Ljubljana

Open Monday to Friday from 10.00am to 8.00pm and Saturdays from 10.00am to 2.00pm.

Prepared by: SOTO (Contemporary Slovene Textile and Clothing Design) and the Museum of Architecture and Design/BIO Secretariat



Exhibition

Opening: Monday, 4 October 2010 at 7.00 pm

Alvar Aalto – Timeless Expressions

4 October–31 December 2010

The National Museum of Slovenia – Metelkova, Maistrova 1, Ljubljana

Tuesday to Sunday from 10.00am to 6.00pm.

Prepared by: Museum of Architecture and Design/BIO Secretariat, the Alvar Aalto Foundation, Embassy of Finland, Ljubljana, and the National Museum of Slovenia



Workshop

Opening: Thursday, 7 October 2010 at 7.00pm

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The Shop

7 October to 7 November 2010

Museum of Architecture and Design, Fužine Castle, Pot na Fužine 2, Ljubljana
Tuesday to Sunday from 10.00am to 6.00pm (extended hours every Thursdays,
10.00am to 9.00pm).

Prepared by: Grupa and the Royal College of Art students, the CPU and the
Museum of Architecture and Design/BIO Secretariat



Lecture

Friday, 8 October 2010 at 6.00pm

Malcolm Garrett, Keeping it Real in a Virtual World

Chamber of Commerce and Industry of Slovenia, Hall A, Dimičeva 13, Ljubljana

Prepared by: Museum of Architecture and Design/BIO Secretariat in conjunction
with Dr Petra Černe Oven and the Pekinpah Association



Exhibition

33rd Slovenian Packaging Oscar 2010

7 October to 6 November 2010

Chamber of Commerce and Industry of Slovenia, Dimičeva 13, Ljubljana
Open weekdays from 7.00am to 9.00pm and Saturdays from 8.00am to
12.00pm

Prepared by: Pomurski Sejem d.d. and the Chamber Of Commerce and
Industry of Slovenia

International conference

Tuesday, 12 October 2010, from 13.00pm to 6.00pm

'Cradle to Cradle' for the Third Industrial Revolution

Chamber of Commerce and Industry of Slovenia, Hall A, Dimičeva 13, Ljubljana

Prepared by: Government Office for Development and European Affairs and the
Museum of Architecture and Design/BIO Secretariat



Exhibition

Opening: Wednesday, 13 October 2010 at 7.00pm

DuoHandles – HandleDuos

13 October to 4 November 2010

The Chamber of Architecture and Spatial Planning of Slovenia, The House of
Architecture, Vegova 8, Ljubljana

Open weekdays from 10.00am to 7.00pm, Saturdays and Sundays from 9.00am
to 12.00pm.

Prepared by: FSB – Franz Schneider Brakel GmbH + Co KG, The Chamber of
Architecture and Spatial Planning of Slovenia, The House of Architecture and
the Museum of Architecture and Design/BIO Secretariat



Lecture

Tuesday, 19 October 2010 at 6.00pm

Dr Karen Schriver, Reading on the Web: Implications for Online Information Design

Chamber of Commerce and Industry of Slovenia, Hall A, Dimičeva 13, Ljubljana

Prepared by: Museum of Architecture and Design/BIO Secretariat in conjunction
with Dr Petra Černe Oven and the Pekinpah Association



International Seminar on Information Design

Thursday, 4 November 2010, from 10.00am to 4.00pm

Interaction Design Shapes the Development of Information



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Chamber of Commerce and Industry of Slovenia, Dimičeva 13, Ljubljana
Prepared by: Sonce.net, Digital marketing agency, and the Museum of
Architecture and Design/BIO Secretariat

BIO international partnerships

A precondition for a good exhibition is a quality selection of works. This is guaranteed by the BIO selection committee. A good exhibition with thematic unity of content and a clear message to both the general and professional public depends to a large extent on the quality of works submitted in response to the international call for submissions. Maintaining the high level of quality of submissions is facilitated by the biennial's connections with and membership of international professional associations such as the **International Council of Societies of Industrial Design (ICSID)**, **Bureau of European Design Associations (BEDA)** and **International Council of Graphic Design Associations (ICOGRADA)** and long-standing partnerships with many design organisations in other countries.

For the Biennial's international promotion the members of the BIO Selection Committee and Jury are very important. These are appointed specially for each biennial by the BIO Secretariat after consultation with the expert committee and following the recommendations of the international professional associations ICSID, BEDA and ICOGRADA. Within the selection committee, experts in different fields are divided into three smaller specialist groups responsible for deciding on the selection of works for the exhibition on the basis of the criteria set. The international jury is small and operates as a single group which decides unanimously and confers the BIO awards: **BIO Gold Medals, Honourable Mentions, Good Concept Awards** and the **Student Award**.

About the Biennial of Industrial Design

The Biennial of Industrial Design and the BIO Secretariat were founded in 1963 at the initiative of professional organisations and individuals by Ljubljana City Council, the Chamber of Commerce of the Socialist Republic of Slovenia and the Cultural Assembly of Slovenia. Since 1972 it has operated under the aegis of the Museum of Architecture and Design, formerly the Architecture Museum Ljubljana.

Decisions on all the essential elements of the BIO exhibition except evaluation and selection are taken by the nine-member BIO Organising Committee which consists of representatives of the City of Ljubljana, the Chamber of Commerce and Industry of Slovenia, the Ministry of Culture, the business enterprise sector, the design profession and the Museum of Architecture and Design. The Organising Committee is an honorary consultative body responsible for defining substantive and financial frameworks and BIO policy. It has no influence over the specific selection of items for the exhibition.

Expert support is provided for the BIO Secretariat in the preparation and execution of the exhibition by the BIO Expert Committee, which is made up of prominent representatives of the design profession. As well as these

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committees, the BIO has an honorary committee consisting of key supporters and representatives of funding bodies.

The exhibition is funded by the Ministry of Culture of the Republic of Slovenia, the City of Ljubljana and the Chamber of Commerce and Industry of Slovenia and by other sponsors and donors including Sonce.net d.o.o., Gorenje d.d., Riko d.o.o., Trimo d.d., **general media sponsors** Deloindom and Klub Naročnikov Dela, RTV Slovenia and others.

Information

For additional information, press and photo material please contact:
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Some photos are available at the [web page](#).

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BIO 22 Partners



BIO Secretariat is a member of BEDA and ICSID. BIO 22 Exhibition is endorsed by BEDA and ICOGRADA.



Communication Partners



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Members of the BIO 22 Selection Committee



Jonathan Young was born in the United Kingdom and completed a degree in product and transportation design in 1994. He started his career at the Electrolux company in Sweden and has worked with many aspects of industrial and interaction design in product development within the appliance industry. He also managed internal innovation and design teams, who won multiple international awards for the company. In 2003, he relocated to the Ford Motor Company in London as a design strategy manager, working with many well-known brands, including Nike, Nokia, the UK Design Council, Volvo and Land Rover, among others. In 2004, he moved to Ford's technical development centre where he was given the task of finding innovative and strategic solutions for near-term vehicle updates and future vehicle ideas. Since 2007, he has been a design strategist at Ergonomidesign in Sweden, one of the world's top design consultancies, where he works with such companies as Gillette and PepsiCo as well as global telecom and medical clients.



Veronika Egger (MSc) is a board member and deputy director of the *International Institute for Information Design (IIID)* and co-organised the conference "Data Designed for Decisions" in Paris, 2009. She is a life fellow of the Communication Research Institute in Melbourne, Australia, and a co-founder of the Austrian „design for all“ organization. Throughout her career she has always been concerned with the comprehensibility and usability of information. At Philips Design in Vienna, where she began in product graphics and later established and led an interdisciplinary user-interface group, she developed a passion for usable solutions. Her own company, *is-design GmbH*, founded in 1997, focuses on the readability of medical information and the usability of the built environment. The “inclusive design” approach is fundamental to all her design projects.



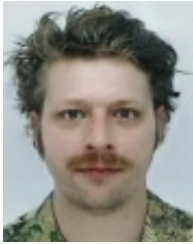
Ilona Gurjanova is the chair of the Estonian Association of Designers and a board member of the Bureau of European Design Associations (BEDA) and Design For All Europe (EIDD) . She is a communications designer and the director of her own company, [LeArt] Design Management Ltd. She was the initiator behind the establishment of principles for Estonia's design policy and has worked as the project manager for the Design Information Centre of the Estonian Ministry of Economic Affairs and Communications. She was the chief curator on several projects that promoted Estonian design at home and abroad, organizing exhibitions, seminars, competitions, etc. In 2006, she began organizing the festival *Design Night* in Tallinn. She has served as a judge and design expert for the Estonian Design Award, the Lithuanian Design Award and the European Best Logo (EULDA), and has written articles for both Estonian and foreign newspapers and magazines.



Michał Stefanowski is an associate professor and the head of the department of design at the Faculty of Industrial Design at the Academy of Fine Arts in Warsaw. In addition, he has an active design practice and is the president of the Association of Industrial Designers in Poland. He is himself a graduate of the Faculty of Industrial Design at the Warsaw art academy. From 1983 to 1988, he was a designer with the Mass Studio design company; in 1984, he designed for Ergonomiadesign (Finland); and from 1988 to 2005, he was a partner with the MIMO design studio and the Towarzystwo Projektowe design companies. In 2005, he started his own studio, INNO Projekt, which today operates as

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INNO+NPD. He has created designs for products, street furniture, packaging, wayfinding systems and visual communication, and is a co-author of award-winning designs for the Warsaw City information system, the information system for the Warsaw University Library and the project Interiors for Agora.



Georg Wanker completed his degree in industrial design at the FH Joanneum, University of Applied Sciences, in Graz, Austria, in 2004. He then worked as a freelancer at various design studios in Germany and Austria. In 2005, he co-founded Edelweiss Industrial Design in Graz and also became a lecturer in the industrial design programme there. Edelweiss Industrial Design handles product design for consumer and industrial goods and furniture design. The studio has worked for such established companies as Bösendorfer, Wiesner Hager, Elmarflötto, Pieps, and Payer. Edelweiss Industrial Design is focused not only on designing attractive products but also in making things better. Their goal is to make smart products that satisfy both their client and their client's clients.



Nedjeljko Špoljar, a self-taught designer, is a principal and the creative director of the Zagreb-based Sensus Design Factory, where he creates designs for cultural clients, book publishers, advertising agencies and a variety of other companies and institutions. His work, which has been exhibited around the world, has been recognized by a number of prestigious design organizations and publications, including the American Institute of Graphic Arts (AIGA), Graphis, the Type Directors Club New York, Communication Arts Magazine, I.D. Magazine, European Design Annual and Print Magazine. His work has appeared in more than sixty books and periodicals by such publishers as RotoVision, Rockport Publishers, Harper Collins Publishers and Die Gestalten Verlag. It is also included in the permanent design collections of the Croatian Academy of Sciences and Arts, the Architecture Museum of Ljubljana, the Museum Documentation Centre of Zagreb, the Denver Art Museum, Columbia University in New York and the Bibliothèque nationale de France in Paris.



Lidija Pritrznik is a graduate of the Academy of Fine Arts in Ljubljana, where she studied industrial design. As part of her post-graduate studies, she is supplementing her ten years of practical experience with research into comprehensive design processes and user-oriented design methodologies. At the Gorenje Design Studio, she is in charge of product design; as creative director for the projects of the Gorenje Group, she seeks to establish links between all branches of design: product design, visual communications design and interior design. She values her long collaboration with an experienced team who worked for many years under the leadership of Janez Smerdelj. Over the years she has realized a number of complex serial-production projects for diverse international markets, projects that have won such prestigious design awards as the ICSID Excellence Award at BIO 18, the Red Dot Design Award 2005 and the Plus X Award.



Barbara Predan received her bachelor's and master's degrees in the theory and development of design from the design department at the Academy of Fine Arts and Design, University of Ljubljana. She is currently writing her doctoral dissertation at the Scientific Research Centre of the Slovene Academy of Sciences and Arts, through the University of Nova Gorica, under the supervision of Professors Jelica Šumič-Riha (SRC SASA) and Jonathan M. Woodham (University of Brighton, U.K.). She is the co-author, with Tanja Berčon, of the book *Nazaj k oblikovanju – Antološki pregled teorije oblikovanja v slovenskem prostoru* [Back to design: An Anthological Survey of Design Theory in Slovenia],

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published in 2007 by Litera and the Pekinpah Association in the book series *Nova znamenja* [New signs]. In 2007–2008, she and curator Cvetka Požar of the Architecture Museum of Ljubljana organized the lecture series *Sustainable Alternatives in Design: It's High Time We Start Losing Time*, and in 2009 they published a book of these lectures, under the same name, in the AML Contemporary Publications Series, as a co-publication of the Architecture Museum and the Pekinpah Association. In 2009, in collaboration with the curators of the Architecture Museum of Ljubljana, she put together the survey exhibition *Iskra: Non-Aligned Design 1946–1990* (under the aegis of the Architecture Museum and the Pekinpah Association). She also teaches a course on the development and theory of design as a visiting lecturer in the industrial design department of the Academy of Fine Arts and Design in Ljubljana.



Cvetka Požar is an art historian and senior curator at the Museum of Architecture and Design, where she heads the Department of Visual Communications. She curated the exhibition *To the Polling Booths! The Poster as a Political Medium in Slovenia 1945–1999* and is the author of the exhibition catalogue (Ljubljana: Architecture Museum, 2000). She was also the co-curator of the exhibition *New Objectivity in Slovene Photography* and a co-author of the catalogue (Ljubljana: Moderna galerija, 1998). She is the co-editor, with Petra Čeferin, of the book *Architectural Epicentres: Inventing Architecture, Intervening in Reality* (Ljubljana: Architecture Museum, 2008), which is based on the lecture series they organized, and, with Barbara Predan, is the co-organizer and co-editor of the lecture series and book *Sustainable Alternatives in Design: It's High Time We Start Losing Time* (Ljubljana: Architecture Museum, 2009). Also with Barbara Predan, she co-authored the exhibition and book *Iskra: Non-Aligned Design 1946–1990* (Ljubljana: Architecture Museum, 2009).

Members of the BIO 22 jury



Vivian Cheng Wai Kwan is the international liaison manager at the Hong Kong Design Institute. She completed a bachelor's degree in industrial design at the Hong Kong Polytechnic University in 1987 and that same year received a special prize in the Young Designers of the Year award competition hosted by the Federation of Hong Kong Industries. She began her career as a watch designer, later becoming an industrial designer of fashion accessories. Eventually, she joined Lambda Industrial Limited as a product designer and won the Governor's Award for Industry in Consumer Product Design in 1989. She completed her master's degree in 1995 and joined the Vocational Training Council as a lecturer in product design. She has been the senior lecturer in product design, supervising the jewellery design course, and is currently responsible for international connections and relationships as well as industrial networking. She has long been an active figure in Hong Kong's professional design organizations. She was a council member of the Chartered Society of Designers Hong Kong from 1990 to 2003 and is a member of the Hong Kong Designers Association. From 2002 to 2004, she served on the board of directors of the Hong Kong Design Centre, an organization supported by the Hong Kong SAR Government. She has actively participated in organizing design conferences and workshops, and has been a jury member for the Red Dot Design Award in Germany (2006–2009) and for BIO 21 in Slovenia (2008).

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Luigi Ferrara is the director of the School of Design and the Institute without Boundaries at George Brown College in Canada. His previous accomplishments include his work with the International Council of the Societies of Industrial Design (ICSID) as a member of the executive board from 1997 to 2003 and then as president (2003–2005), after which he assumed the role of an ICSID senator. A registered architect (a member of the Ontario Association of Architects and the Royal Architectural Institute of Canada), he was the president and CEO of DXNet Inc. from 1999 to 2002. He was also the executive director of the ICSID 1997 congress “The Human Village”, and is the founding director of the Architectural Literacy Forum and an honorary member of the Association of Chartered Industrial Designers of Ontario. In addition to his roles as architect, designer, entrepreneur, educator and lecturer, he has curated exhibitions and authored books and catalogues.



Malcolm Garrett is a creative director at Applied Information Group, a graphic design consultancy with offices in London, Vancouver and Seoul. He is also the creative director of i-Design, the annual conference for the interactive design profession in London. With over three decades of graphic design experience, he has worked with all manner of communications, arts, and entertainment media, both analog and digital. His work throughout the 1980s with musicians such as Buzzcocks, Duran Duran, Simple Minds, and Peter Gabriel is widely regarded as having a seminal influence on contemporary graphic design. For the last two decades he has been particularly interested in user-experience and interface design for interactive media across a range of platforms, from the Web to interactive cinema. He holds the title Royal Designer for Industry and is a Fellow of the International Society of Typographic Designers. In 1998, he was nominated for the Prince Philip Designers Prize.



Peter Krečič, PhD (b. 1947) is an art historian and critic. He has been a curator at the Architecture Museum of Ljubljana since 1973 and its director since 1978 (the museum was renamed the Museum of Architecture and Design in 2010). Since 1988, he has also been a visiting professor in the Department of Landscape Architecture at the Biotechnical Faculty of the University of Ljubljana and, since 2004, a professor in the Faculty of Humanities, University of Primorska, in Koper. His main areas of research are Slovene and European modernism, postmodernism and the avant-garde, as well as design and architecture. During his tenure at the museum he has been involved organizing as many as seventeen Biennials of Industrial Design (from BIO 5 to BIO 21) and, along with theoretical problems in architecture and modernism, he has devoted himself also to design criticism. In 1973, he authored “An Analysis of the State of Industrial Design in the Socialist Republic of Slovenia” and, in 1974, he prepared a proposal for the training of designers in Slovenia. He has written numerous books, articles, and essays in the above-mentioned fields and has been a visiting lecturer throughout Europe and the USA.



Sanna Simola studied industrial design at the ISIA in Florence, Italy (1982–1988), graduating with a thesis on design for the visually impaired that was supervised by Enzo Mari. Since 1995, she has been active in the academic side of design, first teaching industrial design and more recently working on her doctoral thesis, “Design Diversities: Design as a System of Communication, Italy vs. Finland”, at the Aalto University, School of Art and Design, in Helsinki. She is particularly interested in experimental design methods, sustainable design, and culturally bound semantic values in design. She has been active in the Finnish Association of Industrial Designers (TKO) since the early 1990s and

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