

EDUCATION

- 2015** • *PH.D.* in Design, Academy of Fine Arts, Kraków, Poland
- 1992** • *MFA* in Visual Arts, *Summa Cum Laude*, the Joint Graduate Program in Visual Arts, Old Dominion University/Norfolk State University, Norfolk, VA, USA
- 1985** • *BFA* in Painting, the Academy of Fine Arts in Sarajevo, Bosnia & Herzegovina,
- 1980** • *IB* in Visual Arts, the National School of Fine Arts, Kraków, Poland

TEACHING EXPERIENCE

- 2016–** • State Higher Vocational School, Institute of Art, Department of Design, Tarnów, Poland.
SENIOR FACULTY teaching the following courses:
 - Diploma seminar and diploma studio
 - Visual communication design
 - Basics of visual communication design
 - Foundations of typography
 - Computer-based publishing

- 2016–2017** Academy of Fine Arts, Department of Industrial Design, Cracow, Poland.
CONSULTANT working with students of Visual Communication Design Studio A and Visual Communication Design Studio B of the Department of Visual Communication.

- 1993–2013** Missouri State University, Department of Art & Design, Springfield, MO, USA
ADJUNCT FACULTY teaching the following classes:
 - Basic Typography
 - Design Systems
 - Fashion Illustration
 - 2-D and 3-D Art & Design Foundations

- 1990–1992** Old Dominion University, Department of Art & Design Norfolk, VA, USA.
GRADUATE TEACHING ASSISTANT teaching 2-D Art & Design Foundations.

LECTURES & WORKSHOPS BASED ON CREATIVE RESEARCH

- 2016** • *Following the Footsteps of Letterform in Stone* – lecture at the Department of Industrial Design of Academy of Fine Arts, Cracow, Poland
- *Secrets of Collagraph*, five-day printmaking workshop, SRISA, Florence, Italy
- 2013** • *Transforming Intangible Ideas Into Tangible Designs* – five-day design workshop
Ecole Lab Intuit, Paris, France
- 2010** • *Transforming Intangible Ideas Into Tangible Designs* – three-day design workshop
- *Contemporary Art-To-Wear; Art vs. Fashion* – lecture
11th International Poster Biennial of Mexico – BUAP/IBERO, Puebla, Mexico
- 2009** • *Transforming Intangible Ideas Into Fashion Designs* – three-day design workshop
Universidad Iberoamericana, Art & Design Department, Mexico City, Mexico
- *Art and Technique of Collagraph* – lecture and presentation
Missouri State University, Department of Art & Design, Springfield, MO, USA

- 2007**
- *From A Metaphor To A Fashion Design* – three-day design workshop
 - *Iwona Creation Art-To-Wear; Contemporary Art-to-Wear* – lecture & fashion show
International Design Conference – ITESO, Guadalajara, Mexico
- 2003**
- *Iwona Creation Art-To-Wear; Contemporary Concepts in Fashion* – lectures
University of Colorado, Fort Collins, CO, USA – Visiting Artist
 - *Visualize Your Concepts Through Your Fashion Designs* – two-week design workshop
Universidad Iberoamericana, Art & Design Department, Mexico City, Mexico
- 1991**
- *Shaped Canvases, Collagraphs and Artist's Books* – lecture as Visiting Artist
School of Visual Arts, New York, NY, USA

JURY MEMBER

- 2010** 11th International Poster Biennial – Franz Meyer Museum, Mexico City, Mexico

CONFERENCE PRESENTER

- 2014** Marseille Graphic Design Encounters 2014 – Villa Méditerranée, Marseille, France
- 2010** 11th International Poster Biennial – Cultural University Complex, Puebla, Mexico

PROFESSIONAL EXPERIENCE

- 1985–** *IWONA CREATION – multi-disciplinary art & design studio*
FOUNDER/MANAGER/CHIEF DESIGNER; duties are diverse, and are not limited to:
- Design and production one-of-a-kind, couture garments and fiberarts for interior.
 - Organization and management of all aspects of the studio business.
 - Design of promotional publications and web site for the studio.
 - Illustration; fashion illustration in particular.
 - Creation of drawings, paintings and mixed media objects.
- 2008–** *ARTISANS GARDENS – software development & landscape design studio*
FOUNDER/CHIEF DESIGNER/DEVELOPER; duties are diverse, and are not limited to:
- Creation of *Artisans Gardens Landscape Design Symbols & Swatches* – collections of versatile plug-ins for Adobe Illustrator cs3 to CC.
 - Landscape design and garden photography.
 - Design of web site for artisans gardens, its promotion and marketing.
 - Organization and management of all aspects of the business.

COSTUME DESIGN

- 2001** *SPRINGFIELD LITTLE THEATRE*, Springfield, MO, USA
- *Five Christmases* by John Forster
 - *The Wiz* by Charlie Smalls and *Romeo and Juliet* by William Shakespeare
- 1997** *EIDOPHUSIKON THEATRE*, Springfield, MO, USA
- *The Misanthrope* by Moliere and *The Taming of the Shrew* by William Shakespeare
- 1996–1997** *SPRINGFIELD REGIONAL OPERA*, Springfield, mo, usa
- *Don Giovanni* by W.A. Mozart and *La Traviata* by Giuseppe Verdi

1989 COLLEGIUM ARTISTICUM CHOIR, Sarajevo, Bosnia & Herzegovina

- Design of multifunctional outfits for diverse performances

ARTIST'S BOOKS & HAND-MADE PAPER

1991–1992 Exeter Press Studio, New York, NY, USA – assistant to Master Papermaker Lynn Forgach

- Participated in the studio's cross-disciplinary artistic and educational activity
- Created three-dimensional paper casts and papers for own artistic experiments

PUBLICATIONS

- 2015 • *Museum in exile*, Asim Djelilovic, Dobra Knjiga, Sarajevo, Bosnia & Herzegovina
- *Typography Annual 5, the January/February 2015 issue of Communication Arts magazine*, Menlo Park, CA, USA
- 2011 • *On Balance* – article about the future of design, *Vision del Diseno Vol. 3*, Centro de Diseno, Rosario, Argentina
- 2010 • *11th International Poster Biennial of Mexico Exhibition Catalog* – artist's profile as a juror, illustrated with examples of artwork, Trama Visual A.C., Mexico City, Mexico
- *Voices In Freedom* – poster – Invitational International Collection of Commemorative Posters Trama Visual A.C., Mexico City, Mexico
- 2004 • *Fiberarts Design Book 7* – art-to-wear – selected by Susan Mowery Kieffer, Lark Books, USA
- 2003 • *Artist's Profile*, article by Jody Wright, Niche Magazine, Winter Issue
- 1997 • *Artist's Statement*, Ornament Magazine, Fall issue
- 1994 • *From Poland with Love*, article by Ginny Lohr, Fiberarts Magazine, March/April issue
- *Postcards from Sarajevo (with Čedomir Kostović)*, article in Print Magazine, May/June issue

AWARDS AND HONORS

- 2016 • *Special Award* – 6th International Biennial of Social & Political Poster, Oświęcim, Poland.
- 2014 • *Winner of Communication Arts magazine Typography Annual 5 competition*, Menlo Park, CA, USA
- 2010 • *Best of Art-To-Wear Show Award* – MOFA Conference, St. Charles, MO, USA.
Juror: Sharon Kilfoyle
- 2004 • *Devotee Award* – Textile Curatorial Council, The Minneapolis Institute of Arts, Minneapolis, MN, USA
- 2003 • *Best of Show Award* – The Uncommon Threads St. Charles, IL, USA
Juror: Alyce Van Acker
- 2002 • *Niche Award – Art-To-Wear*, Philadelphia, PA, USA
- *Niche Award Finalist – 2-D Design*, Philadelphia, PA, USA
- 1997 • *Juror's Choice Award* – mofa Conference, Springfield, mo, USA. Juror: Sandy Webster
- *Members' Choice Award* – mofa Conference, Springfield, MO, USA
- 1996 • *Juror's Choice Award* – The Uncommon Threads Annual Fashion Show, The Fine Line Creative Arts Center, St. Charles, MO, USA. Jurors: Janet Catlow and Sue Peterson

- 1995 • *Art To Wear Award* – MOFA Conference Fashion Show, Cape Girardeau, MO, USA
Juror: Arturo Alonzo Sandoval
- 1992 • *National Liquitex Excellence in Arts Award*
- 1991 • *1st prize – Hampton Roads Intercollegiate Art Exhibition* – Riddick's Folly, Suffolk, VA, USA
Juror: Deborah McLeod
- 1990 • *State Board for International Scientific, Technical and Cultural Colaboration Exhibition Grant*, Sarajevo, Bosnia & Herzegovina
- *College of Arts & Letters Graduate Fellowship* – Old Dominion University, Norfolk, VA, USA
- 1986 • *1st prize at the national competition for poster Elections '86* in collaboration with
Čedomir Kostović – Belgrade, Yugoslavia

INDIVIDUAL EXHIBITIONS

- 2014 • *Homage to Sophie von Hohenberg* – Zvono Gallery, Sarajevo, Bosnia & Herzegovina
- 2008 • *Second Skin* – National Art Gallery, Sarajevo, Bosnia & Herzegovina
- 1999 • *Threads of Imagination* – St. Louis Artists' Guild, St. Louis, MO, USA.
Curator: Margaret Wheeler
- 1997 • *Iwona Art-To-Wear* – Waverly House Gallery, Springfield, MO, USA
- 1996 • *Shaped Canvases & Collagraphs* – Boger Gallery, College of the Ozarks,
Point Lookout, MO, USA
- 1990 • *Disappearing Worlds* – Old Dominion University Gallery, Norfolk, VA, USA
- 1988 • *Paintings & Collagraphs* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *Unique Clothing Exhibition* – Collegium Artisticum, Sarajevo,
Bosnia & Herzegovina
- 1985 • *Iwona-Mila-Slavica* – Austrian House, Sarajevo, Bosnia & Herzegovina

SELECTED GROUP EXHIBITIONS

- 2018 • *Women's Rights Are Human Rights: International posters on gender-based inequality, violence and discrimination.* Exhibition organized and curated by Elizabeth Resnick.
– Galicja Jewish Museum, Cracow, Poland.
- *4th International Enter into Art Exhibition* – The Cultural Center, Cologne, Germany;
– Town Hall, Weißenthurmi, Germany;
– Town Hall, Kobern-Gondorf, Germany.
- 2017 • *In memoriam Mieczysław Górowski* – Dydo Poster Gallery, Cracow, Poland.
- *25 Biennial of Polish Poster* – BWA, Katowice, Poland.
- *Homenaje Umberto Eco* – invitational international poster exhibition, La Paz, Bolivia.
- *Terras Gauda – 10th Francisco Mantecon International Poster Competition*,
Maritime Station of Vigo, Spain.
- *3rd Global Print – International Invitational Print Exhibition, Douro, Portugal.*
- *37th Mini Print International of Cadaques.*
– Adogi Galeria, Barcelona, Spain;
– Galerie L'Etangd'Art, Bages, France;
– Wingfield Barns, Eye, Suffolk, Great Britain;
– Fundació Tharrats d'Art Gràfic, Pineda de Mar, Barcelona, Spain.

- *16th Lessedra World Print Annual, Mini Print 2016* – Galeria Lessedra, Sofia, Bulgaria.
 - *Women's Rights Are Human Rights: International posters on gender-based inequality, violence and discrimination*. Exhibition organized and curated by Elizabeth Resnick.
 - The Poster Museum at Wilanów, Warsaw, Poland;
 - Northeastern University, Northeastern Center for the Arts, Boston, MA, USA.
 - *Sint-Niklaas 2017 Printmaking Biennial*, Internationaal Exlibriscentrum, Sint-Niklaas, Belgium.
- 2016**
- *Encore* – Baron and Ellin Gordon Art Galleries, ODU, Norfolk, VA, USA.
 - *Biodiversity preservation*, special exhibition of the 14th International Poster Biennale in Mexico, San Luis Potosi, Mexico.
 - *Women's Rights Are Human Rights: International Posters on Gender-based Inequality, Violence and Discrimination*. Exhibition organized and curated by Elizabeth Resnick.
 - National Taiwan Normal University, Taipei, Taiwan;
 - Massachusetts College of Art and Design, Boston, MA, USA;
 - Bienal Internacional Del Cartel En México, San Luis Potosi, Mexico.
 - *36th Mini Print International of Cadaques*.
 - Adogi Galeria, Barcelona, Spain;
 - Galerie L'Etangd'Art, Bages, France;
 - Wingfield Barns, Eye, Suffolk, Great Britain;
 - Fundació Tharrats d'Art Gràfic, Pineda de Mar, Barcelona, Spain.
 - *15th Lessedra World Print Annual, Mini Print 2016* – Galeria Lessedra, Sofia, Bulgaria.
 - *9th Biennial International Miniature Print Exhibition*.
 - UBC Okanagan Gallery Vancouver BC, Canada;
 - SNAP Gallery, Edmonton, AB, Canada;
 - University of British Columbia Gallery, Kelowna, BC, Canada.
- 2015**
- *24 Polish Poster Biennial* – Katowice, Poland.
 - *Questioning the Bomb, History and Non-Proliferation* – Invitational International Poster Exhibition, The Art Gallery at the University of Maryland, College Park, MD, USA.
 - *International Biennial of Poster Bolivia BICeBé* – La Paz, Bolivia.
 - *Sarajevo 100* – Schody Gallery, Kraków, Poland.
 - *Sint-Niklaas 2015 Printmaking Biennial*, Internationaal Exlibriscentrum, Sint-Niklaas, Belgia.
- 2014**
- *11th Golden Bee Poster Biennale* – Moscow, Russian Federation.
 - *13th International Poster Biennial of Mexico* – Franz Mayer Museum, Mexico City D.F., Mexico
 - *Mèxico A Travès Del Cartel* – Invitational International Exhibition, Centro Cultural Francisco Javier Clavijero, Morelia, Mexico.
 - *Mini Print International of Cadaques*, ADOGI Galeria, Barcelona, Spain.
 - *8th Biennial International Miniature Print Exhibition*, Vancouver, Canada.
 - *Sarajevo 100* – Collegium Artisticum Gallery, Sarajevo, Bosnia and Hercegovina
 - *10th Golden Bee Poster Biennale* – Moscow, Russian Federation.
 - *Mini Print International of Cadaques* – ADOGI Gallery, Barcelona, Spain
 - *8th Biennial International Miniature Print Exhibition*, Vancouver, Canada

- 2013**
- *Biennial of Poster Bolivia BICeBè – Tribute to Rene Wanner* – La Paz, Bolivia
 - *Mini Print International of Cadaques* – ADOGI Gallery, Barcelona, Spain
 - *12th International Poster Biennial of Mexico* – Franz Mayer Museum, Mexico City D.F., Mexico
 - *12th Lessedra World Print Annual – Mini Print 2013* – Lessedra Gallery, Sofia, Bulgaria
 - *23rd International Poster Biennale* – Wilanow Poster Museum, Warsaw, Poland
 - *10th Golden Bee Poster Biennale* – Moscow, Russian Federation
 - *7th Biennial International Miniature Print Exhibition*, Vancouver, Canada.
 - *Mini Print International of Cadaques* – ADOGI Gallery, Barcelona, Spain
- 2012**
- *11th Lessedra World Print Annual* – Lessedra Gallery, Sofia, Bulgaria.
 - *Homenaje Barbara Paciorek* – Galeria de la Casa del Poeta Ramon Lopez Velarde, Mexico City D.F., Mexico
 - *13th International Biennial of Theatre Poster*, Wanda Siemaszkowa Theatre, Rzeszów, Poland
- 2011**
- *10th Francisco Mantecon International Poster Competition*, Maritime Station of Vigo, Vigo, Spain
 - *18th International Lahti Poster Biennial*, Poster Museum, Lahti, Finland
 - *Collective Exhibition of Jurors of the Eleventh International Poster Biennial of Mexico* – Galeria Casa del Poeta Ramon Lopez Velarde, Mexico City, Mexico
- 2010**
- *Voices In Freedom* – Invitational International Exhibition of Commemorative Posters celebrating bicentennial of Mexican independence and centennial of Mexican revolution Centro Cultural Francisco Javier Clavijero, Mexico City, Mexico. Exhibition is being displayed in over 100 major cities on 5 continents
 - *Theatre, That's Me* – Invitational International Virtual Poster Project, Sixth International Triennial of Stage Poster, Sofia, Bulgaria
 - *Thirty Years After...* – National School of Arts Alumni Exhibition A1 Gallery, Kraków, Poland
 - *To Death With Smile* – International Poster Competition, Museo Mexicano Del Diseño, Mexico City D.F., Mexico
 - *MoFA Biennial Juried Art-To-Wear Show*, Foundry Art Center, St. Charles, MO, USA
- 2009**
- *Theatre, That's Me* – International Invitational Exhibition of Theater Poster Institut Francaise de Sofia, Sofia, Bulgaria. Curator: Bojidar Ikononov
 - *Fiber Focus '09* – Art St. Louis, St. Louis, MO, USA. Juror: Dr. Alice Zrebiec
 - *Aberration* – Montminy Gallery of the Boone County Historical Museum, Columbia, MO, USA. Juror: Leandra Spangler
- 2008**
- *Interdependence* – International Fiber Collaborative, H.A.C., Huntsville, AL, USA Curator: Jennifer Marsh
 - *6th Annual Color: Bold/Subtle International Show* – Upstream People Gallery, Omaha, NE, USA. Curator: Larry Bradshaw
 - *MOAK – 4 State Regional Exhibition* – Springfield Art Museum, Springfield, MO, USA Juror: Nicholas Kyle
- 2007**
- *Calculatorium Mundi* – ABC Gallery, Poznań, Poland. Curator: Andrzej Bednarczyk
 - *Fiber Focus '07* – Art St. Louis, St. Louis, MO, USA. Juror: Jane Sauer

- 2006** • *Artwear in Motion '06* – Textile Center of Minnesota, Minneapolis, MN, USA
• *Artwear '06* – Lincoln Center, Fort Collins, CO, USA
- 2005** • *5th Biennial International Wearable Expressions* – Palos Verdes Art Center, Rancho Palos Verdes, CA, USA. Juror: Kevin Jones
- 2004** • *Artwear in Motion '04* – Textile Center of Minnesota, Minneapolis, MN, USA
• *Artwear '04* – Lincoln Center, Fort Collins, CO, USA
• *Uncommon Threads '03* – The Fine Line Creative Arts Center, St. Charles, IL, USA
• *Niche Laureates Exhibition* – Philadelphia Convention Center, Philadelphia, PA, USA
- 2003** • *4th Biennial International Wearable Expressions* – Palos Verdes Art Center, Rancho Palos Verdes, CA, USA. Juror: Louise Coffey-Webb
- 2002** • *Artwear '02* – Lincoln Center, Fort Collins, CO, USA
- 2001** • *Fiber Focus '01* – Art St.Louis, St.Louis, MO, USA. Juror: Laurel Reuter
• *Artwear '01* – Lincoln Center, Fort Collins, CO, USA
• *Uncommon Threads '01* – The Fine Line Creative Arts Center, St. Charles, IL, USA
- 2000** • *Artwear '00* – Lincoln Center, Fort Collins, CO, USA
• *Uncommon Threads '00* – The Fine Line Creative Arts Center, St. Charles, IL, USA
- 1999** • *Fiber Focus '99* – Art St.Louis, St.Louis, MO, USA. Juror: Yoshiko I. Wada
• *Artwear '99* – Lincoln Center, Fort Collins, CO, USA
• *Uncommon Threads '99* – The Fine Line Creative Arts Center, St. Charles, IL, USA
• *Autumn Crafts Park Avenue*, New York, NY, USA
- 1998** • *American Craft Council Fair*, Baltimore, MD, USA
• *Artwear '98* – Lincoln Center, Fort Collins, CO, USA
• *Uncommon Threads '98* – The Fine Line Creative Arts Center, St. Charles, IL, USA
• *American Craft Council Fair*, Baltimore, MD, USA
- 1997** • *2nd Biennial International Wearable Expressions* – Palos Verdes Art Center, Rancho Palos Verdes, CA, USA. Juror: Joanne Rapp
• *Fiber Focus '97* – Art St.Louis, St.Louis, MO, USA. Juror: Rebecca A.T. Stevens
• *National Contemporary Crafts Competitive* – G.A. Spiva Center for the Arts Joplin, MO, USA. Juror: Marjorje Schick
• *Uncommon Threads '97* – The Fine Line Creative Arts Center, St. Charles, IL, USA
• *Embellishments '97* – Masquerade – Philbrook Museum of Art, Tulsa, OK, USA
- 1996** • *Missouri Fiber Artists Conference & Exhibition* – Drury College, Springfield, MO, USA
• *Artwear '96* – Lincoln Center, Fort Collins, CO, USA
• *Nouvelle Mode: Wearable Art for the Body* – Textile Arts Centre, Chicago, IL, USA
Juror: Dennis Brozynski, Columbia College
• *Uncommon Threads '96* – The Fine Line Creative Arts Center, St. Charles, IL, USA
- 1995** • *Art to Wear* – Cambridge Artists Cooperative, Cambridge, MA, USA
• *MOFA Conference Juried Exhibition* – SEMO Art Museum, Cape Girardeau, MO, USA
Juror: Arturo A. Sandoval
- 1994** • *MOAK – 4 States Juried Regional Exhibition*, Art Museum, Springfield, MO, USA
• *Art-To-Wear* – Walnut Street Gallery, Springfield, MO, USA
- 1993** • *SMSU Faculty Exhibition* – University Gallery, Springfield, MO, USA
- 1992** • *Juried Student Show* – odu Gallery, Norfolk, VA, USA

- 1992** • *ODU Prints* – evms Gallery, Norfolk, VA, USA
- 1991** • *PFAC Juried Annual Exhibition* – Peninsula Fine Arts Center, Newport News, VA, USA
- 1991** Juror: Tom Armstrong, Whitney Museum of American Art, N.Y.C., NY, USA
- *Connoisseur Craft* – The Peninsula Fine Arts Center, Newport News, VA, USA
- *Art by ODU Instructors and Students* – Zheijang Academy, Hangzhou, China
- *Hampton Roads Intercollegiate Art Exhibition* – Riddick's Folly, Suffolk, VA, USA
- 1990** Juror: Deborah Mc Leod, Curator, pfac, Newport News, VA, USA
- *Collegium Artisticum '90* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *Intergrafia '90* – Lviv, Ukraine
- *ULUBIH Juried Exhibition* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *ULUPUBIH Juried Exhibition* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *Collegium Artisticum '89* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- 1989** • *ULUBIH Juried Exhibition* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *ULUPUBIH Juried Exhibition* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *Collegium Artisticum '88* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- 1988** • *ULUBIH Juried Exhibition* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *ULUPUBIH Juried Exhibition* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *Game of Imagination* – Novi Hram Gallery, Sarajevo, Bosnia & Herzegovina
- 1987** Curator: Jolanda Todorović, art critic
- *4th International Triennial of Drawing* – Wrocław, Poland
- *Collegium Artisticum '87* – Collegium Artisticum, Sarajevo, Bosnia & Herzegovina
- *Ars Feminae '87* – Skenderija Cultural Center, Sarajevo, Bosnia & Herzegovina

PROFESSIONAL AFFILIATIONS

American Craft Council

College Art Association

Missouri Fiber Artists

Association of Artists & Designers of Bosnia & Herzegovina

WORKS IN COLLECTIONS

The Association the International Print Triennial Collection – Kraków, Poland

Wilanow Poster Museum - Warsaw, Poland

Lahti Poster Museum - Lahti, Finland

Trama Visual A.C. Collection – Mexico City D.F., Mexico

International Triennial of Stage Poster Collection – Sofia, Bulgaria

Biennial of Poster Bolivia BICeBè Poster Collection – La Paz, Bolivia

Wanda Siemaszkowa Theathre International Poster Collection – Rzeszów, Poland

Academy of Fine Arts Collection – Sarajevo, Bosnia & Herzegovina

Collegium Artisticum Gallery Collection – Sarajevo, Bosnia & Herzegovina

Zheijang Academy of Fine Arts Collection – Hangzhou, The People's Republic of China

...and numerous private collections in Europe and USA