What is Universal Design?
will being at 12:30 PM ET

About Your Hosts…

• TransCen, Inc.
  – Improving lives of people with disabilities through meaningful work and community inclusion

• Mid-Atlantic ADA Center, a project of TransCen, Inc.
  – Funded by National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), Administration for Community Living, U.S. Department of Health and Human Services

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• Resize the whiteboard where the presentation slides are shown to make it smaller or larger by choosing from the drop down menu located above and to the left of the whiteboard; the default is “fit page”
Customize Your View continued

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Technical Assistance

If you experience technical difficulties
• Use the CHAT panel to send a message to the Mid-Atlantic ADA Center
• E-mail ADAtraining@transcen.org
• Call 301-217-0124

Archive

• This webinar is being recorded and can be accessed within a few weeks
• You will receive an email with information on accessing the archive
What is Universal Design?

John Salmen, FAIA
Universal Designers & Consultants, Inc.

UD is a design process that enables and empowers a diverse population by improving human performance, health and wellness, and social participation

Ed Steinfeld and Jordana Maisel

What is Aging in Place?

The U.S. Centers for Disease Control and Prevention defines Aging in Place as "the ability to live in one's own home and community safely, independently, and comfortably, regardless of age, income, or ability level."
Accessible vs. Universal Design

**Accessible Design**
Designs that meet the technical criteria setting the minimum level of access required by law for people with disabilities.

**Universal Design**
Designs that empower all people.

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**Horizon Concept**

*Keelmen Heaving in Coals by Moonlight* - National Gallery of Art
Joseph Mallord William Turner, 1775 - 1851

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**Ron Mace, FAIA**

(1943-1998)
7 Principles of Universal Design

1. Equitable Use
2. Flexibility in Use
3. Simple and Intuitive Use
4. Perceptible Information
5. Tolerance for Error
6. Low Physical Effort
7. Size and Space for Approach and Use

Center for Universal Design NC State University - 1997

Equitable Use

The design is useful and marketable to people with diverse abilities.

Flexibility in Use

The design accommodates a wide range of individual preferences and abilities.
Perceptible Information

Effectively communicates information, regardless of ambient conditions or the user's sensory abilities.

Simple and Intuitive Use

Easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.

Tolerance for Error

The design minimizes hazards and the adverse consequences of accidental or unintended fatigue.
Low Physical Effort

The design can be used efficiently and comfortably and with a minimum of fatigue.

Size and Space for Approach and Use

Appropriate size and space is provided for approach and use, regardless of the user's body size, posture, or mobility.

Universal Designing

Dr. Edward Steinfeld, AIA
Accessibility Compliance vs. Universal Design

Universal Design
The process of imbedding choice for all people in the things we design.

Equitable Design

Sustainability
Image: three triangles: 1 – Social Universal design, safe and secure, 2 – Economic, cost-efficient over time, 3 – Environmental, resource efficient
Universal Design Newsletter

www.UDConsultants.com

Search for Excellence in Universal Design

Universal Design Case Studies at IHCD

“To initiate the design process, Access Living and LCM Architects organized a design symposium that brought together experts in universal design and a representative group of users. The session was organized to learn about barriers and brainstorm solutions for a typical office environment. The session provided the architects with a wealth of information as well as guidance for further investigation.”

http://universaldesigncasestudies.org/category
Universal Design Summit 6

Inclusive Communities: Housing & Public Spaces
November 13-14, 2017 in St. Louis, Missouri

“...The theme of the Universal Design Summit 6 is community connections and the role of universal design in the creation of neighborhoods and public spaces that enables residents of all ages and abilities to participate fully in the local network of commercial, cultural, social and service opportunities...”
“A Building for Everyone: A Universal Design Approach”

Invisible UD

http://www.weissdesigngroup.net/project-gallery/healthcare-design/
Context is Everything

Time – Space - Social Expectations

Methods of Accommodation

Five Methods of Accommodation – *A Human Approach*

Inspired by Harold D. Kiewel, AIA
Five Methods of Accommodation - Equipment

Five Methods of Accommodation - Medical Intervention

Five Methods of Accommodation - Mixing & Matching
Five Methods of Accommodation
*The Hand*

Google UD

Incorporated user input

www.liftware.com
User involvement

http://ageandability.com/2016/05/12/inclusive-design-cant-be-an-afterthought/

Design Process – Team Work

Gather

Evaluate

Design

“We are all students of Universal Design”

John Salmen, FAIA

www.UDConsultants.com
Questions?

- Mid-Atlantic ADA Center
  (www.ADAinfo.org/)
  - 1-800-949-4232 (DC, DE, MD, PA, VA, WV) or
    301-217-0124
  - ADAinfo@transcen.org