

WEAR newsletter Year 2007 No.3 – October 2007



This Newsletter appears in English, Japanese, French and Portuguese
Language of this newsletter: English

What is WEAR?

WEAR (world engineering anthropology resource) is an international collaborative effort with the goal to contribute actively to the diffusion and the advancement of knowledge of anthropometry, ergonomics and human factors engineering for health, safety and well-being for all people.

The aim is to have WEAR ready at the IEA conference in Beijing in 2009 (www.iea2009.org).

Target group of this newsletter

This newsletter aims to inform all the people interested in applied anthropometry about the progress in the realization of the strategic plan for WEAR.

WEAR Banff Report

July 30 to August 3 2007 the WEAR group met in Banff, Canada. The meeting was supported by CoData, AFOSR and NRC Canada. During this meeting presentations were given to an interested audience representing the clothing and automotive industry and academia. The full program can be seen at <http://ovrt.nist.gov/projects/wear/>. There is an increase in the amount of available 3D anthropometric data due to recent surveys in Europe (e.g. France), Asia (Korea, Japan, China), South America (Brasil) and Australia. In these surveys, whole body scanners make a 3D copy of the human body with a resolution of about 3 mm. This has the advantage that an endless amount of body dimensions can be calculated from the scans, including shape parameters. An interesting new development presented in Banff is the use of principal component analysis for head scans or whole body scans. This technique enables us to identify the most important body characteristics for design. The next meeting will be in Japan: see <http://www.dh.aist.go.jp/event/WEAR/index.php.en>.



The scientists (members of the core group) are Huaining Cheng (US), Marc Rioux (CND), Kathleen Robinette (US), Makiko Kouchi (J), Loraine MacDuff (S.A.), Johan Molenbroek (NL), Lee Young Suk (Korea), Masaaki Mochimaru (J), Hein Daanen (NL), Daisy Veitch (Aus) and Regis Mollard (F). Photo made in Banff.

Strategic plan

The strategic plan is finalized and will be available for download soon at the WEAR sites (<http://ovrt.nist.gov/projects/wear> and <http://www.wearanthro.org>).

Legal body

WEAR is now a legal body. The not-for-profit organization is based in Paris. The IBAN Bank Account number is FR76 1020 7000 7120 2192 9508 654. The SWIFT code is CCBPFRPPMTG. The mail address contact.wear@orange.fr is opened for new participants.

WEAR-partners

WEAR partners contribute to the WEAR project by donating data or tools. WEAR users may join in 2009 when the WEAR portal is finalized.

Advantages to Being a WEAR Partner

1. Partners will be invited to attend semi-annual partner status meetings during development. They will have a say in the content, output and structure of the system as it is developed so they will be able to ensure it meets their individual needs.
2. Corporate partner logos and websites will be advertised on the WEAR website and in the semi-annual WEAR newsletter to the anthropometry community. The newsletter provides status reports and worldwide anthropometry happenings.
3. Partners who also provide data, tools, or a node or hub will have WEAR users sent to their site, enabling partners to showcase their capabilities to clients, and in particular to the clients that would be most interested in the partner's information.
4. Gold level partners will receive free WEAR access for two years after it is developed.
5. Partners who have in-kind contributions of data, tools etc. may have their fees waived upon review.
6. WEAR being a non-profit organization the value of monetary or in-kind contributions may qualify for a tax deduction.

How Partners May Join

There are four levels of partner membership (all fees are in US dollars) with varying levels of benefits:

- Individual memberships:
 - a. Regular: fee of \$1,000 per year for two years if joining by end of 2007 or \$2,500 one-time fee if joining in 2008 or later
 - b. Gold: fee of \$2,000 per year for two years if joining by end of 2007 or \$4,400 one-time fee if joining in 2008 or later. This includes a single waiver of the WEAR use fee for two years after development
- Corporate memberships:
 - a. Regular: fee of \$10,000 per year for two years if joining by end of 2007 or \$25,000 one-time fee if joining in 2008 or later. This provides for up to 5 individual memberships.
 - b. Gold: fee of \$20,000 per year for two years joining by end of 2007 or \$45,000 one-time fee if joining in 2008 or later. This provides for up to 10 individual memberships with waiver of the use fee for two years after WEAR development.

Regular members get a 50% reduction for WEAR courses; gold members participate for free. Individual members who want to receive the newsletter only, can subscribe for free by registering with WEAR online.

WEAR mission animated

The mission of WEAR is visualized in a 2-minute animation. This animation is downloadable from website www.youtube.com using keyword 'anthropometry'.

Relation with IEA

The International Ergonomics Association (www.iea.cc) approved the formation of a Technical Committee on Anthropometry, lead by Johan Molenbroek. The WEAR core members are member of this Technical Committee. We welcome Roeland Motmans from Belgium as a new TC member.

Next WEAR meeting

The next WEAR meeting will be in Tokyo, February 4 – 8.
For more info please visit <http://www.dh.aist.go.jp/event/WEAR/index.php.en>.
Thereafter, there will be a meeting in Paris, July 7-11, 2008.
The first meeting in 2009 will be in San Antonio, Texas Feb 2-6, 2009.