

3-D ANALYSIS OF HUMAN MOVEMENT

A TECHNICAL GROUP OF THE INTERNATIONAL SOCIETY OF BIOMECHANICS

CONSTITUTION AND CODES

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Organization of the Constitution

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Article 1 - Name

1.1 The 3-D Analysis of Human Movement (3D-AHM) is a Technical Group of the International Society of Biomechanics (ISB), and has a special interest in the 3-Dimensional biomechanical analysis of human movement.

1.2 History of the Group - The Group primarily owes its existence to the efforts of Paul Allard and Jean-Pierre Blanchi, who organized the first symposium in Montréal in 1991, and helped with the organization of the symposia in Poitiers, Stockholm, and Grenoble. The formation of

the group was also strongly supported by the late Herman Woltring. The International Society of Biomechanics recognized the organization as a Technical Group in 1995. The first organizational meeting was held in Grenoble on July 1, 1996. In 2008, the group introduced the "Whitaker-Allard Innovation Award" in recognition of its two pioneers, Tom Whitaker and Paul Allard, for their contributions to the group and the world of biomechanics.

Article 2 - Purpose

2.1 The purpose of the 3D-AHM group is to provide a scientific and technical forum for investigators of human motion. The group explores human movement analysis by improving the technologies (instruments, techniques, algorithms, methods, protocols, models, etc.) and by applying these technologies to biomechanics fields (basic studies of movement biomechanics and muscle physiology, musculo-skeletal modeling, movement in disability or disease, prosthetics and orthotics, rehabilitation engineering, outdoor-leisure, sport and elite performance, industrial design and ergonomics, etc.....). In pursuit of this goal, it seeks ***the best scientific and social environments to generate further communication and contact between investigators in diverse areas and encourage discussions to cross the boundaries between scientific disciplines and specialties.***

The group will:

2.2 encourage international collaborations among scientists, promote knowledge in this area at an international level, and cooperate with related organizations.

2.3 provide a forum for extensive exchange of ideas and information among members of the Technical Group related to new 3-dimensional approaches in human movement analysis (methods, software, hardware and applications) and to promote discussion of scientific and professional issues of its members.

2.4 formulate standardized terminology in 3-dimensional analysis of human movement.

2.5 encourage high quality research in 3-dimensional analysis of human movement.

2.6 promote the exchange of ideas and information among biomechanists and those from other fields of study with interests in 3-dimensional approaches.

2.7 provide opportunities for the presentation and discussion of original research in a forum of peers with similar research interests.

2.8 encourage the exchange of information on testing methods and procedures and, where appropriate, encourage agreement on the use of common methods and procedures.

2.9 organize a Symposium in every second year.

To achieve better interaction between the participants, facilitate exchange of opinions and most ***importantly integrate the knowledge from different but related fields of biomechanics***, the 3D-AHM group must ***offer many and varied means of communication throughout the scientific and the social gatherings***. The Symposium is directed at sharing information and results relating to philosophies for solving problems of measurement and analysis, rather than only delivering recent research study findings. The scientific program must allocate sufficient time to the discussion of papers both by discussion papers and by entertaining a general discussion following the presentation of a small number of papers. The ***majority of keynote speakers must be specialists in fields lying outside biomechanics but whose expertise influence or will influence our thinking or our ways of carrying out research***. There must be a forum enabling the direct participation of the audience to express their views on key issues related to human movement science. Manufacturers and makers of equipment must also participate by informing the scientific community of their recent technological advances as well their concern for the future so that commercial developments meet the needs of basic and applied research. This momentum must be sustained outside the scientific program by ***having equally varied and quality social activities***. The meeting site, its environment and social gatherings should contribute largely to the scientific exchanges.

Another unique aspect of this group is its interaction with the industry. The industry is offered the exceptional opportunity to address the general assembly, rather than just having the typical commercial exhibits.

Article 3 - Membership

3.1 3D-AHM membership commences with the registration of a symposium and lasts for two years.

3.2 Full members - all full members of the 3D-AHM Technical Group must be members in good standing of the ISB.

3.3 Associate members - those who are not members of ISB are considered associate members.

3.4 Members shall be individuals with a professional and scientific interest in 3-D analysis of human movement.

Article 4 - Governing Boards

The boards of the 3D-AHM technical group shall include:

- a. The Executive Board
- b. The General Assembly of Members

Article 5 - Executive Board

5.1 The activities of the Technical Group shall be administered by an Executive Board.

The Executive board consists of a:

Current President

Past President

President Elect

Treasurer/Webmaster

Member at Large 1

Member at Large 2

Industry Representative 1

Industry Representative 2

Members at Large and Industry Representatives should be elected by the General Assembly.

5.2 Any member who has attended at least two consecutive meetings may submit a proposal to host the following symposium. The host nominated by the executive board becomes the President Elect.

5.3 The president may serve for a maximum of three consecutive terms, by default. The Treasurer/webmaster may serve indefinitely. The rest of the officers and members of the Executive Board may serve for a maximum of two consecutive terms.

5.4 The Executive Board shall meet at least once every two years at the biennial meeting.

5.5 All Executive Board members are expected to attend the biennial meeting when possible.

5.6 The Executive Board shall appoint all subcommittees as considered desirable.

5.7 Decisions of the Board shall be made by simple majority of the board members present at the meeting, or if voting by mail or email, by simple majority of the respondents. If a quorum is needed, it shall consist of at least 3/4 of its members.

Article 6 - General Assembly

6.1 All members of the Technical Group may attend the Group General Assembly meeting held at the biennial Symposium.

6.2 The meeting is presided over by the President of the Board, or in his absence, by the Past or President Elect.

6.3 The General Assembly shall receive oral and/or written reports from the President and Symposium Organizer, as well as any ad hoc from Board members.

6.4 The General Assembly shall transact any additional business that may arise.

6.5 Members shall have one vote each.

6.6 For ordinary motions at meetings, except ones concerning constitutional amendments, a simple majority of eligible voters present shall rule.

6.7 Associate members are excluded from voting on Motions regarding the relationship with the ISB.

6.8 While conforming to 6.6, written motions to amend the Constitution shall be submitted to the Board and distributed by email ballot to all members for decision, which shall require a simple majority of all ballots returned to the President. Notice of the results shall be given to all members, where upon the amendment will become effective.