



Newsletter

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11 - 12th April 2013

The next CMAS meeting will be hosted by the Bioengineering Unit, University of Strathclyde, Glasgow. The dates are Thursday 11th and Friday 12th April 2013 (thankfully NOT Friday the 13th in the 13th year). This coincides with the 50th Anniversary of the Bioengineering Unit and the hosts are thrilled to help mark this occasion by hosting the CMAS delegates.



The schedule for the meeting is in the early stages of development and the plan includes keynote speakers, free papers and posters. There will also be an even-

ing of eating, drinking and, as might be expected, ceilidh dancing.



The theme of the meeting will be: What is the of future clinical movement analysis?

Calls for papers/posters, along with deadlines, will be posted later this year. For further information please contact:

andrew.j.murphy@strath.ac.uk

As the 2013 meeting will conclude on a Friday you are encouraged to consider staying on for the weekend to enjoy all that Glasgow and the nearby (beautiful) countryside has to offer.

INCORPORATION and CHARITABLE STATUS update

Our thanks go to Julie Stebbins and her team who steamed ahead with pursuing incorporation and registration as a charity for CMAS. We are now close to achieving these objectives. There is just one more small hurdle then we should be there.

If you have any queries regarding this process, or any of the implications of our new status, please get in touch with Sheila Gibbs (s.gibbs@dundee.ac.uk) or Julie Stebbins (julie.stebbins@ouh.nhs.uk).

Communication within the community

The CMAS listserver (cmas@list.surrey.ac.uk) can be used for general circulation of emails, e.g. for questions to the membership on subjects related to movement analysis. If colleagues do make use of this facility, however, it would be helpful if they would collate and distribute a summary of replies received.

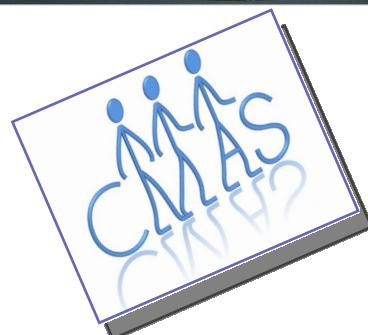
The website has sections in the Members Only Area for Consensus, Past AGMs and Standards. If further sections are required, e.g. 'depository' for data processing scripts, David would be happy to set this up - just let him know.

GOBLINS AND GAIT ANALYSIS???

Dr Gabor Barton MD PhD email: G.J.Barton@ljmu.ac.uk

Gabor Barton's invited keynote lecture at CMAS 2012, in Liverpool was entitled '*Virtual Rehabilitation*' in Cerebral Palsy (CP) using the Goblin Post Office game. For the past few years Gabor and his team at the Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, have developed custom-built computer games in the CAREN system (Motek Medical, Amsterdam). A combination of expertise by academics and clinicians was necessary to develop custom-made tools which were then evaluated for the rehabilitation of children with CP.

Initial studies with the Magic Carpet game focused on the learning process of controlling pelvic and trunk rotations to drive a real-time game. Segmental differences of control were established in children with CP before training with the Goblin Post Office game. Most recently, the training has been extended from the trunk/pelvis to the extremities using portable versions in Liverpool schools. Findings of our research suggest that the trunk is better controlled than the pelvis and segmental rotations are better controlled than tilt. Cross-plane movements of segments are more difficult than single plane movements. Performance of segmental movement control is measured by the maximum settled speed in the game. We continue to investigate transfer of improvements to gait and activities of daily living.



STANDARDS REPORT - Reporting Data. Summary by Gill Holmes

The annual standards meeting was held as part of the AGM and this year covered the issues concerning reporting of gait data. The main points raised were:

1. It appeared from completed questionnaires that have been carried out that it was the quality of the report that was more important to the referrer rather than the time scale, i.e. a good quality report rather than a quick report. (The time taken to complete a report was variable among the laboratories involved).
2. Authors should bear in mind for whom the report is being written and should be adjusted accordingly.
3. What does the referrer want to know? Is there a question? (it

may be that a question has to be developed). What treatment would you recommend/What are the treatment options?

4. The report should be succinct. It should tell the referrer what is wrong.
5. The report should be transparent. The conclusions should be linked to the underlying data.
6. The report should be evidence based either on rigorous biomechanics or other evidence.
7. The report should be comprehensive and should include features that have not been attributed to impairments.
8. It should be within the competence of the author(s) e.g. if there is no surgeon present then no surgical advice should

be made.

9. The report should be time efficient for the reader and the writer.

For further information visit:

www.healthcare.salford.ac.uk/research/programme/gait.biomechanics/downloads

Caroline Stewart will be completing her term as Chair, and **Mark Corbett** has agreed to take over.

STANDARDS ACROSS THE WATER

This year Julie Stebbins and Caroline Stewart attended the GCMAS meeting on behalf of CMAS. The meeting was held in Grand Rapids, Michigan, a small town on the River Grand, close to Lake Michigan. Overall the meeting was good, with interesting papers and keynote speakers.

CMAS were invited to run two joint seminars with the Commission for Motion Labs Accreditation (CMLA). CMLA is the organisation which has responsibility for accrediting gait labs throughout the USA. If you are interested in seeing the approach visit www.cmlainc.org for more info. There are many parallels between CMAS initiatives and those in the States. Particular strengths of the CMAS approach are the production of written standards, based upon consensus and the focus on both internal and external audit, leading to regular oversight and maintenance of procedures. The CMLA model is interesting in that the board has representation from four different societies (GCMAS, AAOS, APTA, AAPM&R), ensuring wide professional awareness and support for the process.

Both seminars were booked for 7am! Approximately 40-50 people attended and the feedback received was positive. The first seminar was aimed at staff from established laboratories. We presented a scenario of gait data collected with incorrect force plate calibration and a brief review of quality standards including CMAS' experience. Jim Carollo (from CMLA) completed the session with a comparative overview of CMAS/CMLA accreditation.

The second seminar, a roundtable discussion, was intended to be a smaller more informal event. We had only 4 participants, but all from different countries (Canada, Poland, China and Columbia). We had the chance to pass on some of our experiences of starting new labs and setting standards.

We felt that the event was worthwhile for CMAS, raising awareness of our work on an international basis. Making contact with CMLA, in particular Jim Carollo and Jean Stout, was useful and we agreed to stay in touch. As far as we know our initiatives are the only ones established internationally and it did feel like we were working on the same basic project, but through slightly different mechanisms.

The Liverpool Meeting

“We Worked It Out!!”

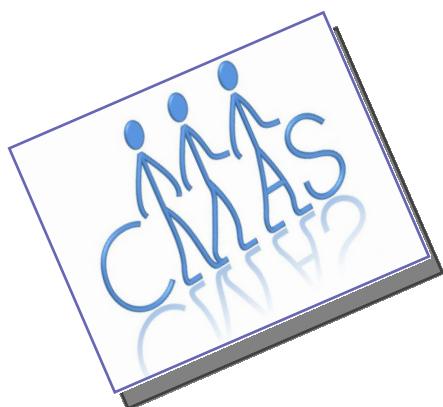
This year's CMAS AGM and Conference was held on **Monday 23rd and Tuesday 24th April** at the Liverpool Medical Institute. The meeting was well attended with 54 delegates not including the Liverpool team.

The standards and consensus meeting covered the topic of “reporting”. Our reports should have gained the benefits from the expertise of the various contributors. Thanks to them all for that.

The keynote speakers were: Mr Alf Bass, Pro-



fessor Vish Unnithan and Dr Gabor Barton. Mr Bass addressed the role of gait analysis as a form of biofeedback. Prof Unnithan talked on exercise evaluation of the child with cerebral palsy, whilst Dr Barton gave a fascinating talk on virtual training.



Dates for your diary

21st Annual Meeting of ESMAC

Stockholm: 10th-15th September 2012

CMAS Standards Consensus Meeting

Birmingham Airport: 12th October 2012

CMAS Committee:

Term complete

CHAIR: Sheila Gibbs Mar 14

VICE CHAIR: Neil Postans Mar 14

TREASURER: Neil Postans Mar 13

SECRETARY: Alison Richardson Oct 12

EDUCATION: Gill Holmes Oct 14

WEBSITE: David Ewins Oct 14

COMMITTEE MEMBERS:

Phil Glithero Mar 13

Tanya Forster Mar 13

Julie Stebbins Mar 13

Standards Committee:

CHAIR: Mark Corbett

CONSENSUS: Gill Holmes

AUDIT CO-ORD: Damien Keirnan

COMMITTEE MEMBERS:

Rob Freeman,

Caroline Stewart,

Sheila Gibbs

CMAS grew out of a fledgling organization known as GLUK (Gait Labs UK). The inaugural meeting was held in 2002 in Birmingham and annual meetings have taken place every year since. The society represents many professional groups, including physiotherapists, clinical scientists and engineers, orthopaedic surgeons, paediatricians and researchers, with a common interest in movement analysis.