High Performance Sport News aims to promote greater awareness of key high performance sport activities and topics across the Australian sport sector.

High Performance Sport News is produced by the Clearinghouse for Sport and disseminated monthly. All contributions are welcome. Contact Dr Nicole Vlahovich (nicole.vlahovich@ausport.gov.au) if you would like to share your news.

Please note that some of the web links presented in this edition will require you to log into the Clearinghouse for Sport website. If you are not already a member, please join today: Clearinghouse Registration.

Subscribers to “High Performance Sport News” may also wish to subscribe to other alerting services.

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Athletes

Workshops for retiring athletes - The National Athlete Career and Education Network (NACE) in
conjunction with AIS Performance Psychology are running a series of post-London Transition events aimed at supporting athletes contemplating or about to begin a transition into life after sport.

The one day workshops are designed to offer tools and information to prepare athletes for the next chapter in their lives as well as provide them with an opportunity to hear experiences from former athletes who have retired and navigated through the transition phase post a major event.

The events will be held in Sydney (5 Nov), Brisbane (7 Nov), Melbourne (9 Nov), Canberra (12 Nov) and Perth (14 Nov) and will be a mix of active and engaging workshops, including:

- Understanding the transition process
- Networking skills and strategies, leveraging your sporting experience
- Understanding your transferable skills
- Adjusting to life after sport - personal stories and strategies from retired Olympians/Paralympians
- Tools and strategies as you embark on your next career

The workshops will also provide opportunities for additional support with Athlete Career and Education (ACE) and Sport Psychology personnel. For additional information about these events please contact Nathan.Price@ausport.gov.au

The National Athlete Counselling Support Initiative – This program is still available to all Olympic and Paralympic team and shadow squad members until six months post Games. The initiative provides athletes with additional opportunities for support through the Athlete Career and Education and Performance Psychology networks. More information can be found at the link above.

Athlete Services and the Daily Training Environment

National Institute Network Medical Screening – The NIN Medical Screening Protocol and Policy have been updated and are available for download for members of NESC. If you cannot access these documents and believe that they are relevant to you, please contact Nicole.Vlahovich@ausport.gov.au

London 2012 Green and Gold Room - The Green and Gold room was a cooperative effort between the ASC and the AOC, in an effort to better support staff and athletes, particularly in the areas of Performance Analysis and ICT.

Research and Innovation

Research Grant Opportunity - The Endeavour Awards are the Australian Government’s internationally competitive, merit-based scholarship program providing opportunities for citizens of the Asia Pacific, the Middle East, Europe and the Americas to undertake study, research and professional development in Australia.

Giving Paralympic athletes the competitive edge – Research and innovation play an important role in the development of equipment for Paralympic athletes in their quest for gold in London. A number of Australian researchers have contributed to this research and innovation:

- A collaborative research effort – athletes with disability – This case study, accessible on the Clearinghouse, shows the research effort into development of seats for adaptive rowing and throw frames for javelin, demonstrating the work of the AIS Technical Research Laboratory which is profiled here
- Sports technology researchers at RMIT University – RMIT showcases academics and research students from the School of Aerospace, Mechanical and Manufacturing Engineering who worked with elite athletes in wheelchair rugby and wheelchair racing in the lead-up to the London Paralympic Games.

Kayak slalom presents Olympic engineering challenge - A case study presented by Geomagic Community highlights the work by Creaform, Geomagic and WYSIWYG 3D who worked with AIS
biomechanist Ami Drory to find a better ‘fit-out’ for kayakers in the canoe slalom event for London 2012.

**ICC Illegal Bowling Action Project** - Testing for the second phase of the ICC funded research project to measure illegal bowling actions in the field was conducted in the AIS Biomechanics Laboratory from 23-28 August. The project is a partnership between Dr Marc Portus from Praxis Sport Pty Ltd, Wayne Spratford from AIS Movement Science, Dr Daniel James and Dr. Andrew Wixted from Griffith University’s Centre for Wireless Monitoring and Applications, and Cricket Australia’s Centre of Excellence. Twenty-four bowlers from the recently completed ICC under 19 World Cup bowled in the AIS Biomechanics laboratory where their actions were analysed using the AIS’s high speed motion capture system – VICON - and via Griffith University’s specially designed inertial sensors.

**Recent Publications from AIS/SIS/SAS researchers** - The following articles by AIS and SIS/SAS Researchers, and their partners, have been published in academic journals:

- **Elite athletes travelling to international destinations >5 time zone differences from their home country have a 2--3-fold increased risk of illness.** Schwellnus, Martin P.; Derman, Wayne Elton; Jordaan, Esme; Page, Tony; Lambert, Mike Ian; Readhead, Clint; Roberts, Craig; Kohler, Ryan; Collins, Robert; Kara, Stephen; Morris, Michael Ian; Strauss, Org; Webb, Sandra, *British Journal of Sports Medicine* Sep2012, Vol. 46 Issue 11, Special section p1
- **Identifying mediators of training effects on performance-related psychosocial states: A single-case observational study in an elite female triathlete.** Barnett, Anthony; Cerin, Ester; Reaburn, Peter; Hooper, Sue, *Psychology of Sport & Exercise* Sep2012, Vol. 13 Issue 5, p541
- **Influence of altitude training modality on performance and total haemoglobin mass in elite swimmers.** Gough, Clare; Saunders, Philo; Fowlie, John; Savage, Bernard; Pyne, David; Anson, Judith; Wachsmuth, Nadine; Prommer, Nicole; Gore, Christopher, *European Journal of Applied Physiology* Sep2012, Vol. 112 Issue 9, p3275
- **Is three-dimensional anthropometric analysis as good as traditional anthropometric analysis in predicting junior rowing performance?** Schranz, Natasha; Tomkinson, Grant; Olds, Tim; Petkov, John; Hahn, Allan G., *Journal of Sports Sciences* Aug2012, Vol. 30 Issue 12, p1241
- **Physiological, perceptual and technical responses to on-court tennis training on hard and clay courts** Reid, Machar; Duffield, Rob; Minett, Geoffroy; Sible, Narelle; Murphy, Alistair; Baker, John *Journal of Strength & Conditioning Research.,* Post Acceptance, 10 August 2012 Published on-line ahead of print

To access the full articles please visit the [Clearinghouse for Sport](mailto:clearinghouse@sportsclearinghouse.com) at the link provided.

To view and access academic literature on a range of sport-related topics, sign up for the [Sport Monthly Update](http://www.sportmonthlyupdate.com) alert service.
London Olympics: 23 Athletes provisionally suspended – Twenty three athletes were provisionally suspended for anti-doping rule violations at the London Olympic Games, as detailed by the Anti-Doping Database

WADA statement on Lance Armstrong’s decision not to seek arbitration – The doping case brought against Lance Armstrong has dominated sports media in recent weeks. A number of analyses have been published on the case.

- Lance Armstrong drops his doping fight with USADA – what now? (The Conversation)
- Is the Lance Armstrong affair a race to the bottom for cycling? (The Conversation)
- How Armstrong Could ‘Get Away With Stuff With Everybody Looking’ (Wired Playbook)

ASADA 2012 stakeholder research results released – ASADA has released the findings from their recent stakeholder research survey, which targeted athletes, national sporting organisations, peak bodies and support personnel.

Vacancies for WADA Committees in 2013 - WADA is seeking nominations for candidates to sit on four of its standing committees in 2013 in accordance with its policy for committee composition and rotation.

International Insights

The Development of High Performance Sport in New Zealand - This report analyses the political, economic, social and technological influences to high performance sport strategy development in NZ at a national level and provides a series of recommendations for Sport Planners.

UK Elite athlete funding secure – The English Institute of Sport reports that British athletes will continue to be strongly supported by National Lottery and Exchequer cash in the run up to the Rio 2016 Games.

Upcoming Conferences

Be Active 2012 - Registration is now open for the 4th International Congress on Physical Activity and Public Health. 31 October – 3 November 2012, Sydney, Australia.

Sport – Probing the Boundaries – This conference aims to bring together scholars from a wide range of disciplines – sociology, cultural studies, philosophy, history, political studies, urban studies, geography, psychology and sport science. 7-9 November 2012, Salzburg, Austria.

The 5th Annual Australian Cycling Conference – The call for papers is now open for this conference, a cross disciplinary meeting bringing together researchers and professionals from transport, engineering, health sciences, geography, urban design, urban planning, sociology and the environmental and spatial sciences. 21-22 January 2013, Adelaide, Australia.

Football and Communities across Codes - The Global Project on Football and Communities aims to produce a robust understanding of the dynamics between clubs, players, governing institutions, fan communities by bringing together scholars, practitioners, fans and other members of sporting communities at this event. 4-6 February 2013, Sydney, Australia.

Science of Sport, Exercise and Physical Activity in the Tropics Conference - This conference is aimed at both academic and practitioner audiences who will address the physiological and psychological mechanisms, interventions and responses to sport, exercise and physical activities performed in hot, humid tropical conditions. 28-30 November 2013, Cairns, Australia.

XIIth International Symposium on Biomechanics and Medicine in Swimming 2014 – Save-the-date for this conference to be held at the AIS, Canberra focussing on the areas of Biomechanics (including CFD), Medicine/Physiotherapy, Physiology, Strength and Conditioning, Nutrition and Coaching. 28 April - 2 May 2014, Canberra, Australia.
Latest Sport Information Resources

Websites

The Conversation Paralympic Games coverage - The Conversation provides a collection of articles covering background stories in relation to the Paralympic Games.

Australian Drug Information Network (ADIN) – ADIN has recently upgraded the search directory on their website to provide the best source of information on alcohol, other drugs, and related lifestyle implications. ADIN is an alcohol and drug information service of the Australian Drug Foundation

New Book

Cutting Edge Cycling - Hunter Allen and Stephen Cheung, Human Kinetics Publication, 2012. Coaches will learn how to apply the latest in cycling research, science, and technology so athletes can train smarter, ride longer, and race faster.

From the National Sport Information Centre

Please note that access to some Clearinghouse for Sport information services and resources may be limited due to licensing restrictions. Please contact the NSIC if you have questions regarding access to databases or other copyright restricted content: telephone (02) 6214-1369 or e-mail nsic@ausport.gov.au

Sport Monthly Updates – This Clearinghouse for Sport current awareness service is provided by the following Australian Sport Sector partners. Sport Monthly Updates highlight the latest content on selected topic(s) of interest from the SPORTDiscus database, a comprehensive research database of sport and sport science literature.

Electronic Tables of Contents – This Clearinghouse for Sport current awareness service allows members to receive an electronic copy of the ‘table of contents’ for many journals of interest. A list of the journals offering this service can be found in the Clearinghouse.

High Performance Sport News and Community Sport News – These news services will alert members to the latest information in their respective area of interest. High Performance Sports News is not available to all client groups.

Daily Sports News – This news service is published Monday through Friday and provides a summary of the latest sports news stories.

From the Clearinghouse for Sport Knowledge Base

Alcohol Sponsorship and Advertising – Alcohol sponsorship of sporting organisations, teams, and events pose several unresolved ethical questions as well as public health related issues.

Concussion and Head Trauma – According to the Consensus Statement on Concussion in Sport (2008), concussion is defined as a complex pathophysiological process affecting the brain, induced by traumatic biomechanical forces.

Match-Fixing and Illegal Sports Betting – Sports betting now extends to all sports, changes in recent years allow punters to place wagers not only on match outcomes but on whether particular events will occur during the game (known as ‘exotic’ bets). These changes, along with the accessibility of sports betting through offshore and online gambling platforms has led to match-fixing and illegal sports betting being identified as significant threats to the integrity of sport worldwide.