

6th International Brachiopod Congress, 1-5 Feb 2010 Melbourne, Australia

Final Program

Sunday 31 January	
6.00 - 8.00pm	Welcome Reception and Registration [FOYER]

Monday 1 February	
8.30-9.30am	Registration (Display posters) [FOYER]
9.30-9.40am	Opening Remarks: Prof. Guang R. Shi, Chair 6th IBC Organising Committee [AUDITORIUM]
9.40-10.00am	Welcome: Prof. Lee Astheimer, Deakin University Deputy Vice Chancellor (Research) [AUDITORIUM]
10.00-10.10am	Congress Logistics: Dr Liz Weldon, Secretariat 6th IBC [AUDITORIUM]
10.10-10.30am	Morning Tea [FOYER]
10.30am-5.00pm	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> T1: Neil Archbold Symposium CONVENOR: Prof. Shuzhong Shen [AUDITORIUM] </div> <div style="width: 45%;"> T3: G. Arthur Cooper Symposium CONVENORS: Prof Sandra J. Carlson and Assoc. Prof. Daphne E. Lee [SEMINAR ROOMS 1 & 2] </div> </div>
10.30-11.00am	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Waterhouse (KEYNOTE): <i>The origin and composition of Australian Permian brachiopods</i> </div> <div style="width: 45%;"> Carlson & Lee (KEYNOTE): <i>In the loop - 400 million years of Terebratulide evolution: a tribute to G. Arthur Cooper</i> </div> </div>
11.00-11.20am	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Shen: <i>Palaeoclimatic fluctuations implied by faunal changes near the Permian-Triassic transition in the peri-Gondwanan region</i> </div> <div style="width: 45%;"> Tomasovych: <i>Evolutionary changes in brachiopod body size during the Mesozoic</i> </div> </div>
11.20-11.40am	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Shi: <i>Neil Archbold: his contributions to brachiopodology and the studies of the global Permian System</i> </div> <div style="width: 45%;"> Chen ZQ: <i>Impact of Permian icehouse-greenhouse climatic changes on benthic ecosystems: Brachiopod's fossil record from high-latitude to tropic regions</i> </div> </div>
11.40-12.00am	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Angiolini: <i>Guadalupian brachiopod faunas from Tunisia, Turkey and North Iran and their implications for correlations across the Neo-Tethys</i> </div> <div style="width: 45%;"> Balthasar: <i>Cambrian origins and transitions in the evolution of the brachiopod shell</i> </div> </div>
12.00-12.20pm	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Li WZ: <i>Canocrinella and Costatumulus (Brachiopoda) from the Permian of South Mongolia and South China: their morphology, biostratigraphy and distribution</i> </div> <div style="width: 45%;"> Bitner: <i>Cave brachiopods from the Upper Oligocene of south-western France – a missing element in European Tertiary faunal history</i> </div> </div>
12.20-1.20pm	Lunch [FOYER]
1.20-1.40pm	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> He: <i>Brachiopod miniaturization and productivity decline during the Permian-Triassic crisis in South China</i> </div> <div style="width: 45%;"> Chen J: <i>Brachiopod diversification during the benthic recovery following the end-Permian mass extinction</i> </div> </div>
1.40-2.00pm	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Cisterna: <i>Permian brachiopod faunas of northern Chile</i> </div> <div style="width: 45%;"> MacFarlan: <i>A survey of the Mesozoic brachiopods of Misool Archipelago, eastern Indonesia</i> </div> </div>

2.00-2.20pm	Pagani: <i>The Cisuralian faunal succession in Patagonia</i>	Manceñido: <i>Late Triassic brachiopods from Western Argentina and their significance</i>
2.20-2.40pm	Tazawa: <i>Permian brachiopod faunas of the Mino Belt, Central Japan, and its provincial relationship with that of West Texas, USA</i>	Mergl: <i>The Poramborthis and Poramborthisidae puzzle: new data</i>
2.40-3.00pm	Chen ZQ: <i>When did bivalve take over brachiopod's world? New observation to an old question</i>	Dulai: <i>Paleogene brachiopods from the Late Eocene of Austria and the Oligocene of Hungary</i>
3.00 - 3.20pm	Afternoon Tea [FOYER]	
3.20-3.40pm	Zhang Y: <i>Diversity variation of brachiopods from the Late Permian (Lopingian) deep-water facies of South China</i>	Chen XQ: <i>Late Devonian brachiopods from the Junggar Basin, northwest Xinjiang, China</i>
3.40-4.00pm	Weldon: <i>Brachiopods from the Broughton Formation: useful taxa in the provincial and global correlation of the Guadalupian of the southern Sydney Basin, eastern Australia</i>	Chen ZQ: <i>Permian-Triassic evolution of brachiopod faunas: mass extinction, recovery, body size dynamics, community structural changes, and climatic zone's controls</i>
4.00-4.20pm	Mii: <i>Carbon and oxygen isotope records of Permian brachiopods from the southern Sydney Basin and Tasmanian in southeastern Australia and their palaeoenvironmental implications</i>	Jansen: <i>Brachiopod stratigraphy of the Rhenish Lower Devonian (Germany)</i>
4.20-5.00pm	Poster Session [Foyer]	
5.00pm	Close	

Tuesday 2 February		
9.00am-5.10pm	T2: Howard Brunton Symposium [AUDITORIUM] CONVENOR: Dr A. Pérez-Huerta	
9.00-9.30am	Angiolini (KEYNOTE): <i>What the morphology and shell structure of Permo-Carboniferous brachiopods from the Western Palaeotethys/Neotethys can tell us about palaeoecology and palaeoclimate?</i>	
9.30-9.50am	Rong: <i>Early evolution of eospiriferines through Late Ordovician and Early Silurian</i>	
9.50-10.10am	Popov (Holmer): <i>New insights on the ontogeny of Early Palaeozoic rhynchonelliform brachiopods: implications for brachiopod phylogeny</i>	
10.10-10.30am	Schemm-Gregory: <i>The phylogeny of delthyridoid spiriferids - a new interpretation</i>	
10.30-10.50am	Morning Tea [FOYER]	
10.50-11.10am	Kuzmina: <i>Periesophagal coelom: a new division of the coelomic system and a possible site of ultrafiltration in the articulate brachiopods</i>	
11.10-11.30am	Waterhouse: <i>Ordinal classification for Brachiopoda</i>	
11.30-11.50am	Taboada: <i>Taxonomic review and evolutionary trends of Levipustulini and Absenticostini (Brachiopoda) from Argentina: palaeobiogeographic and palaeoclimatic implications</i>	
11.50am-12.10pm	Cisterna: <i>Morphology and systematics of Late Palaeozoic Syringothyrids from West-Central Argentina</i>	
12.10-12.30pm	Madison: <i>Patterns of cardinal development of some Ordovician articulated brachiopods</i>	

12.30-1.30pm	Lunch [FOYER]
1.30-1.50pm	Malakhov: <i>Brachiopods and phoronids are true metameric animals</i>
1.50-2.10pm	Pakhnevich: <i>Micro-CT investigations of recent and fossil brachiopods</i>
2.10-2.30pm	Altenburger: <i>Organ system development in Recent Lecithotrophic brachiopod larvae</i>
2.30-2.50pm	Carlson: <i>Crowns and stems: defining Brachiopoda and Pan-Brachiopoda</i>
2.50-3.30pm	Afternoon Tea [FOYER]
3.30-3.50pm	Mergl: <i>Origin and Palaeozoic diversification of discinoids</i>
3.50-4.10pm	Skovsted: <i>The origin of brachiopod shells</i>
4.10-4.30pm	Manceñido: <i>A review of crural types, their relationship to shell microstructure, and significance among post-Palaeozoic Rhynchonellida</i>
4.30-4.50pm	Hoffmann: <i>An integrated approach towards the phylogeny of Recent thecideide brachiopods</i>
4.50-5.10pm	Sperling: <i>The phylogenetic position of the Brachiopoda and Phoronida: new evidence from nuclear housekeeping genes and microRNAs</i>
5.10-5.30pm	Close
5.30-7.30pm	Association of Australasian Palaeontologists (AAP) Business Meeting [SEMINAR ROOM 1]

Wednesday 3 February	
Departing time	Mid-Congress Field Trips
8.00am	Mid 3 - Tertiary and the Great Ocean Road (LEADERS: Drs Mark Warne & Rolf Schmidt)
8.30am	Mid 1 - Siluro-Devonian & Healesville Sanctuary (LEADER: Dr Monica Campi)
8.30am	Mid 2 - Permian in Bacchus Marsh (LEADERS: Mr Roger Pierson & Prof. Guang R Shi)
	all departing from Holmesglen Conference Centre and returning approximately 6pm

Thursday 4 February	
9.00am-2.50pm	T4: Joyce Richardson Symposium CONVENOR: Dr Norton Hiller [AUDITORIUM]
	T5: Des Strusz Symposium CONVENOR: Dr Ian Percival and Dr Glenn A. Brock [SEMINAR ROOMS 1 & 2]
9.00-9.30am	Logan (KEYNOTE): <i>Ontogenetic stages in Recent and Mesozoic thecideoids: an index of a common developmental pattern since the Jurassic</i>
	Harper DAT (KEYNOTE): <i>Macroevolutionary patterns and trends in the rhynchonelliform brachiopods through the Ordovician – Silurian interval</i>

9.30-9.50am	Harper EM: <i>Establishing a modern baseline for shell damage and repair in rhynchonelliform brachiopods: assessing levels of durophagous predation</i>	Gourvennec: <i>Genus, species and authors: a dangerous inflation</i>
9.50-10.10am	Brand: <i>Brachiopods: proxies or imposters of seawater chemistry</i>	Percival: <i>Brachiopod-based biogeographic linkages between eastern Australia and South China in the Late Ordovician (Darriwilian-Katian)</i>
10.10-10.30am	Group Photo [FOYER]	
10.30-10.50am	Morning Tea [FOYER]	
10.50-11.00am	Aldridge: <i>Ontogenetic discontinuities in brachiopod populations: their detection and significance</i>	Bassett (Holmer): <i>Craniiformeans and their position within crown group Brachiopoda</i>
11.10-11.30am	Schumann: <i>Growth patterns in living brachiopod associations - shallow and deep</i>	Wright: <i>A new Late Devonian brachiopod fauna from New South Wales</i>
11.30-11.50am	Hiller: <i>Brachiopods in a Late Cretaceous oyster reef</i>	Gourvennec: <i>Diversity and survivorship of Siluro-Devonian brachiopods</i>
11.50am-12.10pm	Aldridge: <i>Brachiopod life histories from spiral deviations in shell shape</i>	Reyes-Abril (Villas): <i>Middle Ordovician harknessellids (Orthida, Dalmanellidina) from the Mediterranean margin of Gondwana</i>
12.10-12.30pm	Rojas Briceño: <i>Recent terebratulids (Brachiopoda) of San Bernardo, Caribbean Sea from Columbia</i>	Brock: <i>Taphonomy and palaeoenvironment of Early Cambrian stem group brachiopods from South Australia</i>
12.30-1.30pm	Lunch [FOYER]	
1.30-1.50pm	Furchheim: <i>The larval eyes of Brachiopoda</i>	Huang: <i>Can the Lilliput Effect be detected in the brachiopod faunas of Southeast China following the terminal Ordovician mass extinction?</i>
1.50-2.10pm	Harper EM: <i>Analysis of drill holes in Recent New Zealand brachiopods</i>	Valentine: <i>Early Silurian linguliform brachiopod biostratigraphy and oceanic turnover events</i>
2.10-2.40pm	Lee D: <i>A diverse brachiopod-dominated community on settlement plates from Doubful Sound, New Zealand: a 'retrograde' lophorate community emulates Paleozoic seafloor [2.10-2.30pm]</i>	Zhan (KEYNOTE): <i>Brachiopod biogeographic change during the Early to Middle Ordovician of South China</i>
2.40-3.00pm	Afternoon Tea [FOYER]	
3.00-4.30pm	Poster Session [FOYER]	
4.30pm	Close	
6.30 - 7.00pm	Pre-dinner drinks [FOYER]	
7.00-10.00pm	Congress Dinner [SEMINAR ROOMS 1 & 2]	

Friday 5 February	
9.00am-12.20pm	T7 (Open Session): Brachiopod biology, palaeobiology ecology and palaeoecology [AUDITORIUM] CONVENOR: Prof. Renbin Zhan
9.00-9.30am	Copper (KEYNOTE): <i>From shallow to deep, hot to cold, and acme to crisis: brachiopod shelly communities from the Ordovician through Devonian</i>
9.30-10.00am	Jin (KEYNOTE): <i>Morphological cline, palaeogeographical gradient, and the evolution of the Late Ordovician brachiopod faunas of North America</i>
10.00-10.20am	Zhang ZF: <i>Life strategies of Early Cambrian brachiopods on mud substrate: inferences from the Chengjiang fauna of South China</i>
10.20-10.40am	Butts: <i>A reorganization of the North American Brachiopod fauna across the mid-Carboniferous boundary</i>
10.40-11.00am	Morning Tea [FOYER]
11.00-11.20am	Sun: <i>Palaeobiogeographical significance of new discovery of the Tournasian brachiopods in South China</i>
11.20-11.40am	Lee SM: <i>Palaeoecological variation of brachiopod assemblages in marginal marine environments: the Geumcheon-Jangseong Formation (Pennsylvanian), Taebaeksan Basin, Korea</i>
11.40-12.00	Stigall: <i>Application of niche modeling to analyze biogeographic patterns in Palaeozoic brachiopods: evaluating niche stability in deep time</i>
12.00-12.20pm	Colás Gracia: <i>Sporadic occurrence of Jurassic nucleatids in non-Alpine areas of Spain: palaeoecological and palaeobiogeographical significance</i>
12.20-1.30pm	Lunch [FOYER]
1.30-4.40pm	T6: Alwyn Williams Symposium [AUDITORIUM] CONVENOR: Dr Uwe Balthasar
1.30-2.00pm	Cusack [KEYNOTE]: <i>Brachiopod shells recording ambient water temperature while under strict biological control</i>
2.00-2.20pm	Endo: <i>Artificial fertilisation in <i>Lingula anatina</i>: a portal to brachiopod developmental genetics</i>
2.20-2.40pm	Holmer: <i>Ontogeny and phylogeny of Early Cambrian rhychonelliform brachiopods</i>
2.40-3.00pm	Lüter: <i>Protegular secretion in thecideide brachiopods - larval size matters</i>
3.00-3.20pm	Perez-Huerta: <i>Comparison of material properties of fossil and Recent shells of <i>Thecidellina</i></i>
3.20-3.40pm	Afternoon Tea (Remove posters) [FOYER]
3.40-4.00pm	Lang: <i>Nanostructures in Palaeozoic linguloid brachiopods</i>
4.00-4.20pm	Madison: <i>Shell structure of the smallest rhychonelliform brachiopods from the Ordovician of the Leningrad region, Russia</i>
4.20-4.40pm	Tuross: <i>Environmental information in the $\delta^{13}\text{C}$, $\delta^{15}\text{N}$, δD and $\delta^{18}\text{O}$ of <i>Lingula</i></i>
4.40-5.00pm	Gaspard: <i>Endoliths and bacterial activity in Cretaceous and Recent brachiopod shells - diagenetic consequences</i>
5.00-5.30pm	Closing remarks and announcement of the host for the 7th IBC 2015 [AUDITORIUM]
5.30pm	Congress Close

6IBC Posters (displayed all week)

Authors (presenter if different to primary author)	Titles	Poster Board Number
Angiolini, L. et al.	<i>The internal morphology of fossil brachiopods under X-ray computerised tomography (CT)</i>	1
Azmy, K. et al. (Brand, U.)	<i>Articulated brachiopods: a new proxy of seawater REE-chemistry and natural processes</i>	2
Baeza-Carratalá, J.F. et al. (García Joral, F.)	<i>Crural-base position as criteria for generic differentiation of Lower Jurassic Zelleridae (Brachiopoda, Terebratulida)</i>	3
Bahrammanesh, M. et al. (Angiolini, L.)	<i>Tournaisian (Mississippian) brachiopods from the Mobarak Formation, North Iran</i>	4
Benedetto, J.L.	<i>Endopunctae in the 'Plectrothoid' Famatinorthis Levy & Nullo (Middle Ordovician, Famatina Range, Argentina): implications for early diversification of Dalmanellid brachiopods</i>	5
Biakov, A.S.	<i>Geobiospherical events in the Permian of Northeast Asia</i>	6
Azmy, K. et al. (Brand, U.)	<i>Articulated brachiopods: a new proxy of seawater REE-chemistry and natural processes</i>	7
Buono, G. & Twitchett, R.J.	<i>Toarcian brachiopod assemblages</i>	8
Buono, G. et al.	<i>Early Triassic brachiopods from Oman</i>	9
Chen, J. et al.	<i>Brachiopod diversification during the benthic recovery following the end-Permian mass extinction</i>	10
Colás Gracia, J.	<i>Morphometric analysis of Soaresirhynchia bouchardi (Davidson, 1852): taxonomical and palaeoecological implications</i>	11
Feldman, H.R. (Schemm-	<i>A Sphraganaria (Terebratulidina, Zeillerioidea) community (Jurassic, Upper Bathonian) from northern Sinai</i>	12
Ganelin, V.	<i>Brachiopods in the Late Palaeozoic benthic biota of Northeast Asia</i>	13
Harper, D.A.T. et al.	<i>Tropidoleptus (Brachiopoda): new order for an unusual Devonian taxon</i>	14
Ibaraki, Y.	<i>Gigantoproductinae (Carboniferous Brachiopoda) of Japan and its palaeobiogeographical significance</i>	15
Kuzmina, T.V. & Malakhov, V.V.	<i>Structure of the reticulate gonad of the articulate brachiopods</i>	16
Lee, S. et al.	<i>A revision of Kaninospirifer Kulikov and Stepanov, 1975 and related taxa</i>	17
Li R.-Y. et al.	<i>Internal structure and life style of Triplesia anticostiensis (Early Silurian) from Anticosti Island, eastern Canada</i>	18
Mergl, M. et al.	<i>Distribution of lingulate brachiopods in a transect from reef to basin in the Lower and early Middle Devonian of Barrandian, Czech Republic</i>	19
Motchurova-Dekova, N. (Harper D.A.T.)	<i>Synchrotron radiation X-ray tomographic microscopy (SRXTM) of brachiopod shell interior for taxonomy: preliminary report</i>	20

Nicollin, J. & Hubert, R.	<i>Can 3D “modelisation” be a tool for reconstruction of internal structures of brachiopod shell?</i>	21
Pakhnevich, A.V.	<i>Finding of type specimens of a Recent brachiopod Diestothyris frontalis (Middendorff, 1849)</i>	22
Rojas Briceño, A. & Patarroyo, P.	<i>Lower Cretaceous brachiopods from Colombia</i>	23
Schemm-Gregory, M.	<i>A new life habit of Cyrtina in the Oriskany Sandstone (Brachiopoda, North America, Lower Devonian)</i>	24
Schemm-Gregory, M.	<i>New implications on the inhalant/exhalant current system of the Paraspirifer-like morphotype</i>	25
Sedeil, R. (Lüter C.)	<i>A comparative histology of larval brooding in Thecideoidea</i>	26
Shiino, Y.	<i>Functional innovation of spiriferide wing form: experimental and simulated approaches to the generation of passive feeding flows</i>	27
Shintani, T.	<i>Early Permian brachiopods from the Nagaiwa-Sakamotozawa area, South Kitakami Belt, Northeast Japan</i>	28
Simões, M.G. & Leme, J.M.	<i>Recent rhynchonelliform brachiopods from the Brazilian continental shelf margin, western South Atlantic</i>	29
Simões, M.G. et al.	<i>Dead-live fidelity of brachiopod assemblages in the Brazilian shelf: implications to Late Holocene palaeoecology and conservation</i>	30
Simon, E.	<i>Taxonomical position of Cretaceous brachiopods developing a Mosaethyridid brachidial structure</i>	31
Sklenář, J.	<i>THE immense variability - encrusting craniids of the rocky-coast facies (Upper Cretaceous, Bohemian Cretaceous Basin)</i>	32
Strusz, D.	<i>The succession of brachiopods in the Silurian of the Canberra-Yass region, southeast Australia</i>	33
Zakrzewski (Lüter C.)	<i>New insights into the larval development of Macandrevia (Müller, 1776) (Brachiopoda, Rhynchonelliformea)</i>	34