

<b>Title:</b>	The 14th International Workshop on Beryllium Technology
<b>Location:</b>	Hotel Queen Mary, Long Beach, CA, USA
<b>Date:</b>	24-25 October 2019

24.10.2019

Start	End	Time	Item	Presenter	Session	Chair	
8:30 AM	8:40 AM	0:10	Welcome	Christopher Dorn			
8:40 AM	9:00 AM	0:20	Retrospective view on the BeWS-Series	Glen Longhurst	<b>Key Notes</b>	C. Dorn	
9:00 AM	9:20 AM	0:20	Current Status in Development and Qualification of Beryllium Materials for the EU	Milan Zmitko			
9:20 AM	9:40 AM	0:20	Recycle Business Challenge of activated Beryllium Neutron Reflectors used at the Research Reactors	Hiroshi Kawamura			
9:40 AM	10:10 AM	0:30	Break & Exhibition				
10:10 AM	10:30 AM	0:20	On beryllium for tritium breeding blankets: Resource availability, alternatives and determining the optimum route to commercial fusion	Richard Pearson	<b>Alternative blanket concepts &amp; beryllides</b>	H. Kawamura & G. Longhurst	
10:30 AM	10:50 AM	0:20	Overview of beryllium and beryllide R&D as neutron multipliers in QST	Masaru Nakamichi			
10:50 AM	11:10 AM	0:20	Development, characterization & modelling of neutron multiplier materials at KIT	Pavel Vladimirov			
11:10 AM	11:30 AM	0:20	R&D on Vanadium Berillides as an advanced NM for DEMO Fusion applications	Jae-Hwan Kim			
11:30 AM	11:50 AM	0:20	Microstructure and properties of intermetallic Be <sub>12</sub> Ti fabricated by arc melting or hot isostatic pressing	Ramil Gaisin			
11:50 AM	12:10 PM	0:20	Hot extrusion of Be-Ti powder	Aniceto Goraieb			
12:10 PM	1:40 PM	1:30	Lunch				
1:40 PM	2:00 PM	0:20	Investigation of high-dose irradiated beryllium microstructure including STEM-EELS analysis of He/T bubbles	Nikolai Zimmer	<b>Beryllium materials under extreme conditions</b>	P. Vladimirov & M. Nakamichi	
2:00 PM	2:20 PM	0:20	Experimental investigation of radiation damage effects in beryllium: updates on recent results obtained on proton, neutron and He-ions irradiated samples	Slava Kuksenko			
2:20 PM	2:40 PM	0:20	Radiation induced formation gas bubbles in beryllium after neutron irradiation up to 6000 appm helium production	Michael Klimenkov			
2:40 PM	3:00 PM	0:20	Tritium release and retention behavior of beryllium and titanium beryllide irradiated up to high neutron doses	Vladimir Chakin			
3:00 PM	3:30 PM	0:30	Break & Exhibition				
3:30 PM	3:50 PM	0:20	Deuterium retention on Be-C-O films: in-situ versus ion implantation loading	Eduardo Alves	<b>cont'd</b>		
3:50 PM	4:10 PM	0:20	Oxidation of neutron irradiated Be pebbles	Marta Dias			
4:10 PM	4:30 PM	0:20	Compatibility of beryllium & beryllides with structural materials	Rolf Rolli			
4:30 PM	4:50 PM	0:20	Comparison of the thermal shock damage on beryllium induced by electron beam and laser	Benjamin Spilker			
4:50 PM	4:50 PM	0:00	ADJOURN				
<b>Total</b>		<b>8:20</b>					

7:00 PM

Conference Dinner

25.10.2019

Start	End	Time	Item	Presenter	Session	Chair
8:30 AM	8:50 AM	0:20	Overview of the US Beryllium Industry	Keith Smith	<b>Industrial</b>	V. Chakin
8:50 AM	9:10 AM	0:20	Status of the BP1 Pebble Production	Keigo Nojiri	<b>Fabrication</b>	& C. Dorn
9:10 AM	9:30 AM	0:20	Studies for production of billets and articles from tantalum and titanium beryllides	Yevgeniy Frants		
9:30 AM	9:50 AM	0:20	Simple process for mass production of metal Be true sphere	Yuri Natori		
9:50 AM	10:20 AM	0:30	Break & Exhibition			
10:20 AM	10:40 AM	0:20	Hydrogen coverage regimes on (0001) Be surfaces	Christopher Stihl	<b>Modeling</b>	M. Zmitko
10:40 AM	11:00 AM	0:20	Beryllium Lifetime Analysis for Research and Test Reactors	Gary Solbrekken		
11:00 AM	11:20 AM	0:20	Valence electron structure of the beryllides using soft X-ray emission spectroscopy	Keisuke Mukai		
11:20 AM	11:40 AM	0:20	Ab initio simulation of impurities in beryllium	Pavel Vladimirov		
11:40 AM	1:10 PM	1:30	Lunch			
1:10 PM	1:30 PM	0:20	Beryllium: A Review of Uses, Potential Health Effects and Impacts of Regulatory	Theodore Knudson	<b>Safety</b>	E. Alves &
1:30 PM	1:50 PM	0:20	Analysis of Beryllium from smear samples collected by Ghost Wipes	Mirjana Damjanovic		
1:50 PM	2:10 PM	0:20	A Review of Beryllium Combustibility and Explosivity and Potential Risks in Fusion Energy Production	Marc Kolan		
2:10 PM	2:30 PM	0:20	Relationship between surface contamination and airborne particulate of hazardous materials	Beth Walker presented by Daniel Martin		
2:30 PM	3:00 PM	0:30	Break & Exhibition			
3:00 PM	3:20 PM	0:20	Surficial Levels of Beryllium and the Relationship to Worker Exposures and Potential Health Effects	Marc Kolan	<b>cont'd</b>	
3:20 PM	3:40 PM	0:20	Key elements of successful beryllium control program	Robert Winkel		
3:40 PM	4:00 PM	0:20	Identifying chronic beryllium disease	Kathryn Creek		
4:00 PM	4:20 PM	0:20	Overview of the BeYOND workshop series	Aniceto Goraieb	<b>BeYOND</b>	C. Dorn
4:20 PM	4:30 PM	0:10	Closing remarks	Christopher Dorn		
4:30 PM	4:30 PM	0:00	ADJOURN			
<b>Total</b>		<b>8:00</b>				