

DIE MATERIALS COMMITTEE MEETING
University of California Irvine
Hybrid (In-Person and Virtual) Meeting
February 1st 2023 -- 8:30 A.M. - 3:30 P.M. PACIFIC Time

AGENDA

8:30 a.m.	I.	Call to Order and Introductions	S. Midson
8:35 a.m.		Approval of Previous Minutes	
8:40 a.m.	II.	Advances in CT Imaging of Manufactured Components This will be Led by the Staff at UCI	
9:00 a.m.		Presentation on CT Scanning - VJ Technologies	Wes Wren
9:30 a.m.		Advances in CT Imaging – Castheon	Jacob Rindler
10:00 a.m.		Presentation from Volume Graphics	Roger Wende
10:30 a.m.		Tour – UCI Labs and CT Scanning	
12:00 p.m.		LUNCH	
1:00 p.m.	III.	Administration / NADCA Update	P. Brancaleon
<u>Task Force Presentations</u>			
1:10 p.m.	IV.	<u>Surface Engineering Task Force Report</u> ▪ Task Force Projects Update	P. Ried
1:15 p.m.		#214 Advanced Engineered Coatings Extended Die Life for Tooling Coated Rotating Rods in Molten Aluminum	S. Midson
1:35 p.m.	V.	<u>Die Materials Spec/H.T. Task Force Report</u> • Task Force Projects Update	S. Hesser
1:40 p.m.		Dunker Test update	J. McGuffin-Cawley
2:00 p.m.		Die Materials Development Task Force	S. Midson
2:15 p.m.	VI.	<u>Additive Manufacturing Task Force</u>	C. Vian
2:20 a.m.		#213 Rapid Creation of Tooling with Conformal Cooling	C. Soderhjelm
2:45 p.m.		#231 Failure Analysis of AM Tooling	P. Ried
3:15 p.m.	VII.	<u>New Business / Open Discussion</u>	P. Brancaleon
3:20 p.m.	VIII.	Next Meeting Dates: June 7th – 8th, 2023 – Arlington Hts October 4th – 5th, 2023	
3:30 p.m.	IX.	Adjourn	

Hotel Location: Hotel Information see attached sheet

R & D COMMITTEE MEETING
University of California Irvine
Hybrid (In-Person and Virtual) Meeting
February 2nd 2023 -- 8:30 A.M. - 2:30 P.M. PACIFIC Time

AGENDA

8:30 a.m.	I	Call to Order and Introduction	A. Monroe
8:35 a.m.		Approval of Previous Minutes	
8:40 a.m.	II	R&D Update from Headquarters	P. Brancaleon
		<u>Task Force Presentations</u>	
9:00 a.m.	III	<u>Computer Modeling Task Force</u>	R. DeNeff
		• Task Force Projects Update	
		#215 Virtual Reality – Final report	J. Moreland
		#234 Modeling Conformal Cooling of AM Tooling	X. Wang
10:00 a.m.	IV	<u>Cast Materials Task Force</u>	OPEN
10:00 a.m.		#212 Die Casting High Temperature Alloys	C. Monroe
10:30 a.m.		Break	
10:45 a.m.		#212 Die Casting High Temperature Alloys	S. Midson
11:15 a.m.	V	<u>Process Technologies Task Force</u>	Y. Chu
		• Task Force Projects Update	
		• #232 Corrosion & Crack Resistance	
		○ Water lines – Project review	Y. Chu
11:35 a.m.		LUNCH	
12:35 p.m.		#235 Rheocasting using GISS	C. Vian
12:45 p.m.		Die Lube Splash Test Development	C. Monroe
1:05 p.m.		Properties Versus Section Thickness	P. Brancaleon
1:30 p.m.		Remade- Achieving 100% recycled aluminum in Structural Die Casting Applications	A. Luo
2:00 p.m.	VI	Open Discussion/New Business	
2:10 p.m.	VII	Next Meeting Dates:	
		June 7 th – 8 th , 2023- Arlington Heights	
		October 4 th – 5 th , 2023	
2:15 p.m.	VII	Adjourn	

Hotel Location: Hotel Information; See attached sheets