Agenda

University of Illinois Continuous Casting Consortium Meeting – October 15, 2002

Mathematical Models of Continuous Casting of Steel Slabs

Tentative Attendees:	AK Steel	Ron O'Malley and Hans Schade	
	Columbus Stainless	~~Johann Ackerman~~	
	Hatch	~~Chino Srinivasan~~	
	Accumold	Don Lorento	
	SMS Demag	~~Joe Dzierzawski~~ and Casey Gray	
	University of Illinois	Brian G. Thomas	Pratap Vanka
		Lifeng Zhang	Chunsheng Li
		Ya Meng	Claudio Ojeda
		Quan Yuan	Bin Zhao
		Seid Koric	

8:00 am	Introductions	Coffee in conference room: **143 Mech. Eng. Bldg** .
8:15	B.G. Thomas:	"Overview of projects"
8:30	Quan Yuan	"Transient Study of Turbulent Flow and Particle Transport in a Full-Scale Water Model and Continuous Slab Casting Machine Using LES""
9:30	Lifeng Zhang	"Inclusion nucleation, growth, removal and entrapment – in molten steel and continuous casting"
10:30	break	
10:45	Bin Zhao	"Heat Transfer in the Molten Steel Pool using LES"
11:00	Ya Meng	"Modeling interfacial flux layer phenomena in the shell / mold gap using CON1D"
11:45	Discussion of flow projects	
12:15 pm	Lunch	143 Mech. Eng. Bldg
12:45	Chunsheng Li:	"Investigation of ideal taper in billet molds to avoid inmold and sub-mold cracks using 2D FEM thermal stress model"
1:30	Seid Koric	"New Computational Resources and Stress Model Validation"
1:45	Claudio Ojeda:	"Taper prediction in slab and thin slab casting molds"
2:30	B. G. Thomas, T. Morthland	"Transient 3-D models of mold temperature to level prediction – a Case Study at Columbus Stainless"
3:00	Discussion of future projects and directions	
4:00	Adjourn	