Simulation Data Sheet

Please note that this information will be held confidential.

Company Name					
Contact Person					
e-mail address					
Phone Number	Fax Number _				
Please fill in the following blanks regarding the simulations:					
Simulation package used					
Number of metal cells or metal elements used for the simulations					
Units of the Niyama criterion in your simulation package					
• In the following table, places fill in the values of the liquidus temporature (T) and					

- In the following table, please fill in the values of the **liquidus temperature** (T_L) and the **temperature at which the alloy is 100% solid** (T_S) for each of the alloys simulated. In every case, please be sure to specify the units (i.e. °C or °F).
- In the table, please also
 - \triangleright Enter the value of the temperature (T_{NY}) at which the Niyama criterion is evaluated. Please be sure to specify the units (i.e. °C or °F).

OR

 \triangleright Indicate where in the solidification range (which is defined as $(T_L - T_S)$) the Niyama criterion is evaluated. (For example, 10% of the solidification range above the temperature at which the metal is 100% solid).

Alloy	T_{L}	T_{S}	T_{NY}	Where in the solidification range
WCB				
CF-8M				
CN-7M				
M-30C				

Please return the data sheet and pictures to the following address:

Kent Carlson, Research Engineer Solidification Laboratory Department of Mechanical & Industrial Engineering 2430 SC The University of Iowa Iowa City, Iowa 52242

e-mail: kdcarls@engineering.uiowa.edu