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| Book Name: | **Proceedings of the 8th International Conference on Solidification and Gravity** |
| Manuscript Number: | **Ms\_BPR\_3590.3** |
| Title of the Manuscript: | **Surface morphology characterization of a dendrite in Al-Ge observed by synchrotron tomoscopy** |
| Type of the Article | **BOOK CHAPTER** |

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| PART 1: Review Comments | | |
| Compulsory REVISION comments | Reviewer’s comment | Author’s Feedback*(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.** | A synchrotron tomoscopy experiment was performed to image the growth of a dendrite in an Al-45wt.% Ge alloywith the goal to quantitatively describe its morphology in an ISD map.  In this study the analysis procedure fore valuating and analyzing the dendrite morphology from a synchrotrontomoscopy experiment is presented. The various factors influencing the analysis of the curvature of adendrite and thei rparameters are discussed.Further determining the anisotropy of the solid-liquid interfacial free energy inversely are outlined.  The manuscript will give novel techanique (different method(Tool) to valuating the morphology of densdrite structure in Al alloys . It is most valuable manuscript for metalurgist |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Most sutable** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Abstarct needs to be difiene the objective , mthodology,findgings and outcone of the results in asequential order** |  |
| **Are subsections and structure of the manuscript appropriate?** | **yes** |  |
| **Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4 sentences may be required for this part.** | **The manuscript gives the details of analysis and evaluating the dendrite structure by synchrotron tomoscopy. it most valuable and techanically sound** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/Generalcomments | Accepted |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Dayanand .M.Gouadr** |
| Department, University & Country | **Tontadarya College of Engineering, India** |