



# CALL FOR PAPERS

**ICWMWT 2021**  
**Dec 20-21, 2021**  
**Dubai, UAE**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICWMWT 2021 : International Conference on Welding Metallurgy and Welding Technology is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Welding Metallurgy and Welding Technology. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

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| Welding metallurgy  | Fluid flow and metal evaporation in welding            |
| Welding metallurgy and weldability                                  | Residual stresses, distortion, and fatigue             |
| Welding technology and codes  | The fusion zone  |
| Fundamentals of welding metallurgy                                  | Basic solidification concepts                          |
| Thermal and thermochemical study of welding                         | Weld metal solidification                              |
| Metallographical examination of welds                               | Grain structure  |
| Solid phase transformations during welding                          | Microstructure within grains                           |
| Hardening and cold cracking in steel welding                        | Post-solidification phase transformations              |
| Heat treatments for steel welds                                     | Weld metal chemical inhomogeneities                    |
| Metallurgical aspects of destructive and non-destructive weld tests | Weld metal solidification cracking                     |
| Fusion welding processes  | The partially melted zone                              |
| Heat flow in welding  | Formation of the partially melted zone                 |
| Chemical reactions in welding                                       | Difficulties associated with the partially melted zone |