# European Concerted Action on Advanced Solder Materials for High-Temperature Applications; their nature, design, process and control in a multiscale domain

## **COST ACTION MP0602**

## **Expression of Interest**

### Submitted by:

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### **Company background**

Ceravision Limited (See <u>www.ceravision.com</u>) is a SME based in the UK specialising in the design and development of electrodeless microwave powered light sources for the visible and UV ranges.

### Fields of study:

Development of electrodeless microwave powered light sources including the discharge tube and the microwave power source.

### Expertise of proposer:

Design of low cost microwave power sources. Design of high intensity discharge lamps. Derivation, determination, assessment and calculation of thermochemical parameters for metal halide systems, metals and alloys. Life cycle assessments.

#### Techniques:

Assessment of thermochemical parameters by MTDATA Caclulation of phase diagrams using MTDATA Light source measurements and diagnostics

## **Collaborators**

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