

CURRICULUM VITAE

Charles-André GANDIN

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Date of birth September 20, 1967



PROFESSIONAL EXPERIENCE

- MINES Paris – PSL - Centre de Mise en Forme des Matériaux (Sophia Antipolis, FR)**
2019- *Group leader*, Metallurgy, Mechanics, Structures and Solidification
2007-18 *Group leader*, Structures and Properties in Solidification Processing
- Centre National de la Recherche Scientifique**
2010- *Directeur de Recherche*, MINES Paris – PSL - Centre de Mise en Forme des Matériaux
2004-10 *Chargé de Recherche*, MINES Paris – PSL - Centre de Mise en Forme des Matériaux
1999-04 *Chargé de Recherche*, Ecole Nationale Supérieure des Mines de Nancy – INPL - Laboratoire de Science et Génie des Matériaux et de Métallurgie (Nancy, FR)
- Ecole Polytechnique Fédérale de Lausanne (Lausanne, CH)**
1995-98 *Postdoctoral fellow*
1992-94 *Assistant doctorant*
1990-91 *Volontaire du Service National Actif*

RECOGNITIONS

- 2026 **Long-term fellowship**, Japan Society for the Promotion of Science (Sendai, JP)
2025 **Brahm Prakash visiting chair professor**, Indian Institute of Science (Bengaluru, IND)
2025 **Bruce Chalmers award**, The Minerals, Metals and Materials Society (Warrendale, USA)
2023 **Best paper award**, Calphad: Computer Coupling of Phase Diagrams and Thermochemistry
2019 **Best poster award**, 5th International Conference on Advances in Solidification Processes (Salzburg, AU)
2015 **Best report nomination**, International Congress "Non-Ferrous Metals and Minerals", (Krasnoyarsk, RU)
2014-17 **Prime d'encadrement doctoral et de recherche**, Centre National de la Recherche Scientifique (Paris, FR)
2011 **MetSoc best paper award**, Metallurgical and Materials Society of CIM (Toronto, CA)
2010 **Best poster award**, conference Materials Science and Engineering (Darmstadt, DE)
2010-13 **Prime d'excellence scientifique**, Centre National de la Recherche Scientifique (Paris, FR)
2009-14 **Invited professor**, Ecole Polytechnique Fédérale de Lausanne (Lausanne, CH)
2008-13 **Invited professor**, Northeastern University (Shenyang, CN)
2005 **Young investigator research grant**, Agence Nationale de la Recherche (Paris, FR)
2002 **Jean Rist award**, Société Française de Métallurgie et des Matériaux (Paris, FR)
1999 **Lecturer**, Federation of European Materials Society (Frankfurt, DE)
1997 **Mathewson medal**, The Minerals, Metals and Materials Society (Warrendale, USA)

PUBLICATIONS

Publications in journals	116
Invited conferences with/without publications	31/99
Other conferences with publications	139
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RESEARCH DIRECTION AND EVALUATION

PhD Theses director: 35, co-director: 14, opponent: 24, examiner: 12

EDUCATION

- 2007 **Habilitation**
Institut National Polytechnique de Lorraine (Nancy, FR)
- 1992-94 **Ph.D. Thesis**
Ecole Polytechnique Fédérale de Lausanne (Lausanne, CH)
- 1989-90 **Diplôme d'Etudes Approfondies**
Institut National Polytechnique de Grenoble (Grenoble, FR)
Centre Scientifique et Technique du Bâtiment (Grenoble, FR)
- 1987-90 **Engineer Diploma** in Materials Science
Institut National Polytechnique de Grenoble (Grenoble, FR)
Ecole Nationale Supérieure d'Electrochimie et d'Electrometallurgie de Grenoble (Grenoble, FR)
- 1985-87 **Diplôme d'Etudes Universitaires Générales A**
Université Pierre et Marie CURIE (Paris, FR)
- 1985 **Baccalauréat**
Lycée Jean ZAY (Aulnay-sous-bois, FR)

RESEARCH ADMINISTRATION

- 2025-28 **Coordinator** of international project *Studying rapid solid-state phase transformations by combining controlled pulse heating experiments and Calphad consistent modeling considering the non-equilibrium state of the interface (RAPID-SOLID)*, **Agence Nationale de la Recherche** (Paris, FR)
- 2022-28 **Coordinator** of project *Thermochemistry of ingot Casting Powders (TheCAP)*, **Agence Nationale de la Recherche** (Paris, FR)
- 2006- **Coordinator** of project *Chill cooling for the electromagnetic levitator in relation with continuous casting of steel*, **European Space Agency** (Noordwijk, NL)
- 2006-08 **Coordinator** of project *Modélisation des structures en mise en forme par solidification*, **Agence Nationale de la Recherche** (Paris, FR)
- 2000-10 **Coordinator** of project *Columnar-equiaxed transition in solidification processing*, **European Space Agency** (Noordwijk, NL)

CONFERENCE CHAIR

- 2019 **Chairman** of the **5th International Conference on Advances in Solidification Processes** (ICASP-5), 17-21 June 2019 (Salzburg, AT), co-chairman: Menghuai WU
- 2019 **Co-chairman** of the **5th International Symposium on Cutting Edge of Computer Simulation of Solidification, Casting and Refining** (CSSCR-5), 17-21 June 2019 (Salzburg, AT), chairman: Menghuai WU
- 2018 **Co-chairman** of the symposium **Al Alloys** at conference **THERMEC 2018**, 8-13 July 2018 (Paris, FR)
- 2018 **Chairman** of the Thermo-Calc software user group meeting, **Computational Thermodynamics and Kinetics Seminar**, 30 October 2018 (Sophia Antipolis, FR)
- 2013 **Chairman** of the workshop **European Solidification Group**, 18-19 March 2013 (Sophia Antipolis, FR)
- 2011 **Chairman** of the symposium **Solidification processes, microstructures and defects**, conference EUROMAT 2011 organized by the Federation of European Materials Society, 12-15 September 2011 (Montpellier, FR), co-chairman: Jean-Marie DREZET
- 2009 **Co-chairman** of the symposium **Solidification processes, microstructures and defects**, conference EUROMAT 2009 organized by the Federation of European Materials Society, 7-10 September 2009 (Glasgow, GB), chairman: Alain JACOT
- 2008 **Chairman** of the symposium **Solidification** during the Journées Annuelles of the Société Française de Métallurgie et des Matériaux, 4-6 June 2008 (Paris, FR), co-chairmen: Mathis PLAPP and Gabriel FAIVRE
- 2007 **Co-chairman** of the symposium **Solidification processes, microstructures and defects** conference EUROMAT 2007 organized by the Federation of European Materials Society, 10-13 September 2007 (Nuremberg, DE), chairman: Alain JACOT
- 2006 **Chairman** of the international conference **Modeling of Casting, Welding and Advanced Solidification Processes XI**, 28 May - 2 June 2006 (Opio, FR), co-chairmen: Michel BELLET and John E. ALLISON

OTHERS

- 2014- Member of the editorial committee of *Computational Materials Science* (Elsevier, Amsterdam, NL)
- 2003-11 Member of the council of the Société Française de Métallurgie et des Matériaux (Paris, FR)
- 2002-19 Member of the *European Solidification Group*
- 2001-14 Member of the editorial committee of *Advanced Engineering Materials* (Weinheim, DE)
- 1993- Member of the Société Française de Métallurgie et des Matériaux (Paris, FR)
- 1993- Member of *The Minerals, Metals and Materials Society* (Warrendale, USA)