

CURRICULUM VITAE

Nom, Prénom : **JEANDIN, Michel**

Date et lieu de naissance : 14 février 1955 (70 ans) à ROUEN

Nationalité : Française

Domicile actuel : 17, Rue du Colonel Oudot
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SITUATION DE FAMILLE

Marié, 2 enfants

FORMATION

Etudes supérieures

- Ingénieur de l'Ecole Centrale de Lyon (ECL), 1977.
- Auditeur libre des cours de D.E.A. de "Physique des Matériaux" de l'Université Claude Bernard de LYON (UL1), 1977.
- Docteur-Ingénieur en "Propriétés Mécaniques des Matériaux", Ecole des Mines de Paris, Mars 1981, puis habilité à diriger des recherches (HDR UL1-ECL n° 200101).

Langues

- Français : langue maternelle.
- Anglais : parlé, lu et écrit couramment (nombreux congrès et séjours internationaux).
- Italien : correct (surtout parlé et lu), après un séjour en tant que "Visiteur Scientifique" pendant 6 mois en Italie en 1989 et des cours intensifs (5h/semaine) à la C.E.E.
- Espagnol : parlé, lu et écrit mais sans expérience autre que scolaire.
- Japonais : bonnes bases (cours suivis en formation continue à partir de 1998 : niveau 4 certifié à l'examen international d'aptitude à la pratique du japonais en 2007, préparation du niveau 3, en cours).

SERVICE MILITAIRE

Exempté

ACTIVITES EXTRA-PROFESSIONNELLES

- Musique : piano (13 ans), orgue et guitare et passionné d'art plastiques et de littérature.
- Sports : triathlon, natation, course à pied, gymnastique pratiqués assidûment.

ACTIVITES PROFESSIONNELLES

ACTUELLEMENT (depuis septembre 2023)

Consultant en matériaux et méthodes pour l'Art, les Métiers d'Art et L'industrie (CmemPAMAL, www.cmempamal.com).

ANTERIEUREMENT

/De septembre 1977 à avril 1983 : Ingénieur au Centre des Matériaux P.M. Fourt de l'Ecole des Mines de Paris, B.P. 87, 91003 EVRY CEDEX. Tél. 01.60.76.30.33

- De Septembre 1977 à Septembre 1979, Ingénieur de recherche dans le groupe "Métallurgie des Poudres/Elaboration". A partir de Janvier 1980, sur poste "Ingénieur 2A" du Ministère de l'Industrie. Aux activités de recherche s'ajoutent des fonctions d'enseignement et d'encadrement.
Sujets de recherches : Frittage en présence d'une phase liquide de superalliages à base de nickel et procédés de densification dérivés.
- Thèse de Docteur-Ingénieur : "Frittage en présence d'une phase liquide d'un superalliage à base de nickel", **Mars 1981**.

/De mai 1983 à novembre 1983 : Ingénieur FRAMATOME, Tour Fiat, 1, Place de la Coupole, 92400 COURBEVOIE. Tél. 01.47.96.14.14.

- Ingénieur R. et D., dans la section "Corrosion".
Fonction : Responsable du dossier "Rupture des broches des guides de grappes", Lancement et suivi des essais de laboratoire et des études.

/De décembre 1983 à janvier 2021 : Centre des Matériaux P.M. Fourt de MINES ParisTech (Ecole des Mines de Paris), B.P. 87, 91003 EVRY CEDEX, Tél. 01.60.76.30.33.

- Jusqu' en Septembre 1988 : Ingénieur de recherche dans le groupe " Métallurgie des Poudres/Elaboration", puis Responsable Adjoint de ce même groupe.
- Détaché pour 6 mois (du 1 Mars au 31 Août 1989) au Centre Commun de Recherche de la Commission des Communautés Européennes d'Ispra (Italie) / Materials Division.
- Visiteur scientifique pendant 2 mois (été 1991) à l'"Imperial College (Dept. of Materials)" de Londres.
- 1992 - 1995 : A l'origine , puis responsable d'un projet de centre de compétence en projection plasma incluant la conception et la construction de locaux ainsi que l'achat de gros équipements (pour plus de 1,5 M€).
- Nommé Maître de Recherche en 1989 puis promu Directeur de Recherche en 2009
- Au 31 décembre 2020 :

Directeur de Recherche à MINES ParisTech (anciennement Ecole des Mines de Paris), Responsable de l'activité « Traitements de surfaces et revêtements-Tribologie »
et

ancien Directeur du Centre de Compétence en Procédés de Projection (C2P), en poste de 1995 à 2016, créé conjointement par l'Ecole des Mines de Paris, le CEA et l'Université d'Evry Val d'Essonne.



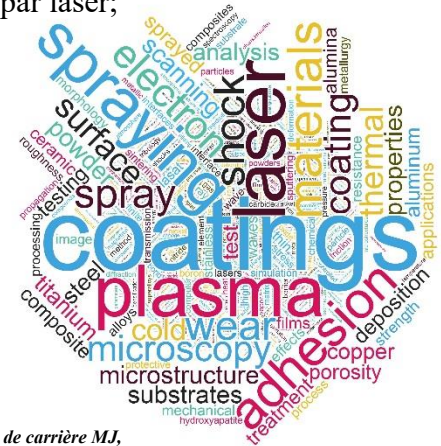
8 ingénieurs et 3 techniciens + stagiaires, en 2020.

Axes de recherche : Projection thermique ; Traitements par laser;

PVD ; Electro - Erosion; Electrophorèse;
 Implantation ionique; Procédés de densification
 de poudres (composites, base Fe, base Al,
 base Ni ...) ; Couches minces ; Multicouches ;
 Dépôts diamant et dérivés ; Soudage-diffusion ;
 Rechargement ; Usure-Frottement.

Conduite de la recherche :

en étroite collaboration avec l'industrie,
 par contractualisation directe ou via des
 programmes nationaux ou européens.



Nuage de mots clés de carrière MJ,
 Source : Carnot ARTS, 2016

Enseignement :

- "Métallurgie Générale" en 1^{ère} année de l'Ecole des Mines de Paris".
- "Traitements de Surfaces" et "Usure-frottement" pour le Mastère "Matériaux" de l'Ecole des Mines de Paris.
- "Traitements de Surfaces" dans le D.E.S.S. "Lasers et Matériaux Biologiques", Paris VI.
- "Projection thermique" dans le Master 2 de l'Université d' Evry Val d' Essonne.
- Différents cours de formation continue.

Encadrement :

- En permanence, depuis les années 2000 environ, 3-5 doctorants par an (8 en 2017) + 1 à 2 post - doctorants par an + divers (stagiaires , doctorants extérieurs, ...). Plus précisément, depuis le début de l'activité : directeur de 40 thèses MINES et co-encadrant de 10 thèses (dont 8 extérieures).

/De février 2021 à août 2023:

Cofondateur du CPAMAL (Centre de Projection pour l'Art, les Métiers d'Art et le Luxe : SAS, www.cpamal.com) et **conseiller** (prospections technique, artistique, et commerciale) du président.

RECOMPENSES, DISTINCTIONS

- Chevalier puis Officier dans l'Ordre des Palmes Académiques : respectivement promotions du 14 juillet 2008 et du 14 juillet 2021.
- Récipiendaire de la Médaille IFHTSE (International Federation for Heat Treatment and Surface Engineering), reçue en 2022 en récompense de l'ensemble de sa carrière dans le domaine des traitements de surfaces.
- Reçu dans le « Hall of Fame » de la projection thermique par la TSS (Thermal Spray Society), en mai 2023.
- Récompensé, en tant que cofondateur du CPAMAL, du prix « Semeur d'Innovation 2022/ Catégorie Culture », décerné par le Crédit Mutuel, Juin (2022).

- Récompensé, en tant que cofondateur du CPAMAL et à l'initiative du projet MII2 avec l'artiste plasticien Mattia Listowski, du prix « Geste d'argent 2022/Métiers et Matières », décerné par la Fondation Geste d'Or, Décembre (2022).
- "Fellow of ASM ", reçu en 2004.
- Membre permanent de la Société d'Encouragement pour l'Industrie Nationale (SEIN), représentant la métallurgie en son Comité des Arts Chimiques, reçu en 2018.
- Vice-Président du "Matériaupôle", élu en 2009.
- Fondateur et animateur du Club Cold Spray, club international réunissant les principaux acteurs du domaine du cold spray : plus de 57 industriels et 38 universitaires de tous horizons, en 2020. www.mat.ensmp.fr/clubcoldspray 
- Lauréat 2016 du « THERMEC Distinguished Award » récompensant l'ensemble de sa carrière scientifique.
- Lauréat du Prix de la meilleure publication scientifique dans « Journal of Thermal Spray Technology », 2012.
- Négociateur et Directeur de la thèse de Laurent Aubanel ayant reçu le prix de la meilleure thèse décerné par la Société Française de Métallurgie et des Matériaux (SF2M), 2023 et le prix HIRN 2023 de la meilleure thèse en tribologie décerné par le Groupe scientifique et technique de l'Association Française de Mécanique (AFM)..
- Directeur de la thèse de Gilles Rolland ayant reçu le prix de la meilleure thèse décerné par la Société Française de Métallurgie et des Matériaux (SF2M), 2010.
- Lauréat du prix de la meilleure communication à la conférence « Finishair », octobre 2007.
- Directeur de la thèse de Sophie Barradas récompensée du prix académique décerné par le Club Lasers et Procédés (CLP), 2005.
- Directeur de la thèse de Bernard Henry récompensé du Prix de la Propriété Intellectuelle décerné par le CNPI et l'ASPI, en 2004. Co-inventeur dans le brevet correspondant sur la « Réalisation de moules à injection par outillage rapide », 2004.
- Auteur de l'un des cinq meilleurs articles publiés dans "Journal of Thermal Spray Technology", Selection 1999.
- Lauréat du meilleur article présenté à la "15th Int. Conf. on Thermal Spray (ITSC)", 1998.
- Lauréat (3^{ème} prix) de la "METASERV Competition", U.K., 1988.
- Organisateur, coordinateur scientifique et/ou président de (plus de 15) conférences nationales et internationales, avec SF2M, T.M.S., A.S.M.-International, IoM, dont, la plus importante, THERMEC'2018, accueille 1650 participants.
- Co-directeur de la publication ("Editor") de 9 volumes de la série "Surface Modification Technologies" (actuellement publiée par ASM-Int. et IoM).

- Membre du comité de liaison de plus de 25 conférences internationales.
- Membre du comité éditorial de plusieurs revues scientifiques nationales et internationales : "Surface Engineering", "Materials and Manufacturing Processes", "ISRN Materials Science", "Materials Engineering", "Traitement thermique et Ingénierie des Surfaces".
- Membre du comité scientifique de la revue Astasa (Arts, Sciences et Technologies-Actualités Scientifiques de l'Art, depuis 2020).
- Rapporteur et/ou membre de jury de nombre de thèses et projets de recherches d'universités étrangères (Singapour, Japon, Inde, Suède, ...).
- Expert "Matériaux" près la C.E.C./Bruxelles pour l'évaluation des projets soumis dans le cadre du 6^{ème} PCRD, 2003.
- Membre du Comité de Sélection de l'Université de Limoges en CNU (Conseil National des Universités) - 62^{ème} section : Energétique, génie des procédés- depuis 2009
- Membre de SF2M (Société Française de Métallurgie et de Matériaux), SFT (Société Française de Tribologie), GFC (Groupement Français de la Céramique), AFTS (Association Française pour les Traitements de Surfaces), ASM-Int., TMS (The Minerals and Materials Society).
- Habilité Défense.
- Auteur occasionnel d'articles dans des encyclopédies (Larousse, Atlas) et ouvrages de vulgarisation.
- Coordinateur d'un rapport sur les matériaux "hautes températures" pour la C.E.E., 1984.
- Admis au club Mensa (QI >140) en 1983.

PUBLICATIONS (incluant brevets, enveloppes Soleau et dépôts de marques)

(liste mise à jour au 31 décembre 2025)

Au nombre de 429, dont 177 dans des revues scientifiques internationales avec comité de lecture (repérées en **caractères gras** dans la liste ci-dessous) et en excluant les brevets, enveloppes Soleau et dépôts de marques reportés en fin de liste(s)

• ***Depuis les créations de CPAMAL et CmemPAMAL***

(par ordre chronologique inverse jusqu'à 2020)

- M. JEANDIN, « L'addition ! La fabrication additive pour l'art », **ArtHebdoMédias**, www.artshebdomedias.com/article/l'addition/, Accepté pour publication, à paraître en Mars (2026).
- M. JEANDIN, « Arts et matériaux, une harmonie », **Livre** en préparation aux **Editions Déclinaison/Paris**, Parution prévue pour 2026.

- M. JEANDIN, « Tout un tableau », **ArtHebdoMédias**, www.artshebdomedias.com/article/tout-un-tableau/, Sept.(2025).
- M. JEANDIN, « Sens du matériau », **TK-21** 168(2025)A18.
- M. JEANDIN, « Matériaux et synesthésie dans l'art: matériaux en tous sens, autorisés et interdits », Saison 2-Episode 1, **ArtsHebdoMedias**, www.artshebdomedias.com/article/materiaux-et-synesthesie-dans-lart-1/, Sept.(2025).
- M. JEANDIN, « Matériaux et synesthésie dans l'art: matériaux en tous sens, autorisés et interdits », Saison 2-Episode 2, **ArtsHebdoMedias**, www.artshebdomedias.com/article/materiaux-et-synesthesie-dans-lart-2/, Sept.(2025).
- M. JEANDIN, « Du plomb dans l'art », **ArtHebdoMédias**, www.artshebdomedias.com/article/du-plomb-dans-lart/, Fév.(2025).
- M. JEANDIN, « Les arts sont toujours premiers: un éloge de l'élitisme? »", Présentation à la Sorbonne à l'occasion de la Journée d'étude « Les arts sont toujours premiers » à l'Université Paris 1 Panthéon-Sorbonne, Paris, 17 février, 2025, **Recueil des communications**, M-L Desjardins ed., AHM publ., (2025)48-52, et **Vidéo** de l'intervention (Plateau 3), Mise en ligne par Ideas in Science, attendue pour début (2026).
- M. JEANDIN, « Les arts sont toujours premiers: un éloge de l'élitisme? »", **ArtHebdoMédias**, www.artshebdomedias.com/article/les-arts-sont-toujours-premiers-un-eloge-de-lelitisme/, Sept.(2024).
- M. JEANDIN, « Matériaux en sens autorisés pour synesthésie dans l'art », 1^{ère} partie, **TK-21** 156(2024)A12.
- M. JEANDIN, « Matériaux en sens autorisés pour synesthésie dans l'art », Saison 1-Episode 1, **ArtHebdoMédias**, www.artshebdomedias.com/article/materiaux-en-tous-sens-autorises-et-interdits-e1/, Juillet(2024).
- M. JEANDIN, « Matériaux en sens autorisés pour synesthésie dans l'art », Saison 1-Episode 2, **ArtHebdoMédias**, www.artshebdomedias.com/article/materiaux-en-tous-sens-autorises-et-interdits-e2/, Juillet(2024).
- M. JEANDIN, « Matériaux en sens autorisés pour synesthésie dans l'art », Saison 1-Episode 3, **ArtHebdoMédias**, www.artshebdomedias.com/article/materiaux-en-tous-sens-autorises-et-interdits-e3/, Juillet(2024).
- M. JEANDIN, « Matériaux en sens autorisés pour synesthésie dans l'art », Saison 1-Episode 4, **ArtHebdoMédias**, www.artshebdomedias.com/article/materiaux-en-tous-sens-autorises-et-interdits-e4/, Juillet(2024).
- M. JEANDIN, « Matériaux en sens autorisés pour synesthésie dans l'art », Saison 1-Episode 5, **ArtHebdoMédias**, www.artshebdomedias.com/article/materiaux-en-tous-sens-autorises-et-interdits-e5/, Juillet(2024).
- M. JEANDIN, “Heat Treatment and Surface Engineering Issues in Thermal Spray”, **Invited plenary conference** given when IFHTSE awarded M. Jeandin the 2023 **Grand Medal** for his whole scientific career in Surface Science&Engineering, Presented at the “ 28th IFHTSE Congress”, Yokohama, Japan,13-16 Nov., 2023, M. Okumiya and S. Hock eds., **On-line publication**, <https://www.youtube.com/watch?v=Nzi08VNIFDA>, (2023).

- M. JEANDIN, « Les matériaux propices au surgissement du merveilleux », **Smaris Elaphus** (2023)86-90.
- M. JEANDIN, « L'ivresse du cuivre », **ArtHebdoMédias**, www.artshebdomedias.com/article/livresse-du-cuivre/ , Déc.(2022).
- M. JEANDIN, « Art-Material to Repair », Texte sur les matériaux in « How can art fix the world ? » accompagnant la performance “The Milky Way”, par Taisiya Polishchuk, Olga Kisseleva (artiste) et Tatiana Drozd (designer), présentée à la **Biennale de Venise**, Pavillon de Saint-Marin, 19 avril-22 nov., 2022, Publication dans le **catalogue** remis sur place, T. Polishchuk et al. eds. et publ., (2022).
- M.JEANDIN, « Le CPAMAL dans le contexte de l’art et des métiers d’art », Exposé au séminaire de présentation du CPAMAL aux Métiers d’Art, Paris, Hôtel de l’Industrie, 13 juin 2022, www.youtube.com/watch?v=eTCFkSVqxR4, (2022).
- L.H. BRASSART, M. JEANDIN et al., “QUANTITATIVE Characterization of Ductility for Fractographic Analysis”, **A full chapter** in “Mathematics in Industry”, Springer Medizin. DOI: 10.1007/978-3-031-11818-0_46, 39(2022)349-355.
- S. WEILLER, M. JEANDIN et al., “Influence of Porosity on Ultra-High Vacuum Gas-Tightness in Cold-Sprayed Aluminum Coatings”, Published on line, <https://doi.org/10.1007/s11242-022-01806-3>, 21 June, (2022).
- M. JEANDIN, « Or l’or : chronique sur l’or », **ArtHebdoMédias**, www.artshebdomedias.com/article/or-lor/ , Déc.(2021).
- M. JEANDIN, M. DUCOS, C. BRIQUET, D. BILLIERES, A. FONTES, G. LEHOUX, L. VOGELGESANG, « La projection thermique se projette maintenant dans l’art et les métiers d’art », **Traitements & Matériaux** 470(2021)34-42.
- M. JEANDIN, « L’ombre d’une colonne de Buren est sans rayures : chronique sur le polissage », **ArtHebdoMédias**, www.artshebdomedias.com/article/lombre-dune-colonne-de-buren-est-sans-rayures/ , Mars(2021).
- M. JEANDIN, M. DUCOS, « Projection dynamique par gaz froid (« cold spray »), Chapitre invité en tant que premier auteur pour **Les Techniques de l’Ingénieur**, TI Editions, Déc. 2020, M1648(2020)32p.
- M. JEANDIN, « S’attarder en surface avec Michel Jeandin », entretien accordé à **ArtsHebdoMedias**, www.artshebdomedias.com, Avril(2020).

Brevets, Enveloppes Soleau, et dépôts de marques

- M. JEANDIN pour CmemPAMAL, « CPAMAL », Marque déposé en de multiples secteurs, INPI n° 20 4 696 720, (2020).

• *Antérieurement à la création de CmemPAMAL (de 1978 à 2019)* (par ordre chronologique)

- M. JEANDIN, B. FIEUX and J.P. TROTTIER, "Elaboration et Propriétés du Superalliage de Nickel Astroloy Obtenu par Frittage puis Forgeage ou Pressage Isostatique des Poudres Préallliées", Contribution to "Journées d'Automne 1978" Conf. Paris, France, Oct., 1978, S.F.M.

- M. JEANDIN, B. FIEUX and J.P. TROTTIER, "P/M Superalloys Obtained by Forging or HIP'ing Vacuum Sintered Preforms", Proc. of "P/M '80" Conf., Washington D.C., U.S.A., 24-27 June, 1980, H.H. Hausner et al. eds, MPIF/APMI, Princeton, NJ, U.S.A., 14(1981)65.
- M. JEANDIN, B. FIEUX and J.P. TROTTIER, "P/M Superalloys Obtained by Forging or HIP'ing Vacuum Sintered Preforms", **Industrial Heating** January (1981)29.
- M. JEANDIN, "Necklace Structure Obtained by Forging Astroloy Supersolidus-Sintered Preforms", **Journal of Materials Science** 17(1982)2902.
- M. JEANDIN, C. AUBIN and Y. BIENVENU, "P/M Superalloys Research at the School of Mines/Paris, **Metal Powder Report** 37(1982)187.
- M. JEANDIN, J.L. KOUTNY and Y. BIENVENU, "Frittage en Présence d'une Phase Liquide de Poudres de Superalliages : Aspects Structuraux et Thermochimiques", Proc. of "P/M '82" Conf., Florence, Italy, 20-25 June, 1982, A.I.M., Milano, Italy, (1982)323.
- M. JEANDIN, J.L. KOUTNY and Y. BIENVENU, "Rheology of Solid-Liquid P/M Astroloy-Application to Supersolidus Hot Pressing of P/M Superalloys", **International Journal of Powder Metallurgy and Powder Technology** 18(1982)217.
- M. JEANDIN, J.L. KOUTNY and Y. BIENVENU, "Forging Astroloy Supersolidus-Sintered Preforms : Necklace Structure Achievement", Proc. of "High Temperature Alloys for Gas Turbine '82" Conf. Liège, Belgium, 4-6 Oct. , 1982, R. Brunetaud et al. eds., D.R. Reidel Publish. Co., Dordrecht, Holland, (1982)1029.
- M. JEANDIN, J.P. TROTTIER, J.L. KOUTNY and Y. BIENVENU, "A Two-Stage Compaction Process of Superalloys Powders : Pre-Sintering + HIP", Proc. of the "2nd Int. Conf. on Isostatic Pressing", Stratford-upon-Avon, U.K., 21-23 Sept., 1982, MPR Publish., Shrewsbury, U.K., 1(1982)8.
- M. JEANDIN, J.L. KOUTNY and Y. BIENVENU, "Liquid Phase Sintering of Nickel Base Superalloys", **Powder Metallurgy** 26(1983)17
- M. JEANDIN, J.L. KOUTNY and Y. BIENVENU, "Mise en forme de Superalliages par des Procédés de Frittage en Présence d'une Phase Liquide", Contribution to "Journées d'Automne 1983" Conf., Paris, France, Oct., 1983, S.F.M., Paris, France.
- M. JEANDIN, J.C. LEFLOUR, Y. BIENVENU and J.L. KOUTNY, "Mise en Forme de Poudres Préallliées par des Procédés Dérivés du Frittage en Présence d'un Phase liquide", Proc. of "Colloquium on Unconventional Forming Processes in Powder Metallurgy", Paris, France, 19-20 Sept., 1984, S.F.M., Paris, France, (1984)9.
- M. JEANDIN, Y. BIENVENU and J.L. KOUTNY, "Liquid Phase Sintering of Nickel Base Superalloys", Proc. of the "5th Int. Symp. on Superalloys", Seven Springs, U.S.A., 7-11 Oct., 1984, M. Gell et al. eds., The Met. Soc. of AIME, Warrendale, Pa., U.S.A., (1984)467.
- M. JEANDIN, J.P. TROTTIER, J.L. KOUTNY and Y. BIENVENU, "A Two-Stage Process: Presintering + HIP", **Metal Powder Report** 39(1984)495.
- S. RUPP, M. JEANDIN, V. PARIENTI, Y. BIENVENU and J. MASSOL, "Informations Obtenues par l'Analyse Automatique d'Image sur la Répartition des Phases Solides et Liquides au cours de l'Elaboration par Solidification ou Frittage", Proc. of "Analyse d'Images par Microscopie Quantitative en Métallurgie" Conf., Pont-à-Mousson, France, Nov., 1985, S.F.M., Paris, France, (1985)53.

- Y. BIENVENU, T.C. LU, J.C. LE FLOUR and M. JEANDIN, "Rôle de la Surface en Métallurgie des Poudres Métalliques", (in French), **Annales de Chimie**, 11(1986)489.
- M. JEANDIN, S. RUPP, J. MASSOL and Y. BIENVENU, "Structural Study and Image Analysis of Rapidly-Cooled Supersolidus-Sintered Astroloy", **Materials Science and Engineering** 77(1986)139.
- M. JEANDIN, J.D. BARTOUT and F. GRILLON, "Advanced Microstructural SEM Observations and Image Analyses of P/M Materials", Proc. of "Future of Powder Metallurgy, P/M '86" Conf., Düsseldorf, F.R.G., 7-11 July, 1986, W.A. Kaysser et al. eds., Verlag Schmid GmbH, Freiburg, F.R.G., (1986)773.
- Y. BIENVENU, M. JEANDIN and T. MASSART, "Métallurgie du Soudage par Diffusion", Proc. of "Métallurgie et Physico-chimie de l'Assemblage des Matériaux" Conf., Saclay, France, 23-25 June, 1986, I.N.S.T.N. Gif-sur-Yvette, France, (1986)77.
- M. JEANDIN, J.D. BARTOUT, Y. BIENVENU and F. GRILLON, "Advanced Micro-structural Observations of the Necklace Structure of a P/M Nickel-Base Superalloy", Proc. of "TMS Fall Meeting", Orlando, U.S.A., 5-9 Oct., 1986, The Metallurgical Society of AIME, Warrendale, U.S.A., (1986)14.
- T.C. LU, Y. BIENVENU, M. JEANDIN, O. FARAL and J.H. DAVIDSON, "The Influence of HIP Processing Variables on the Microstructure of Low-Carbon Astroloy", Proc. of "TMS Fall Meeting", Orlando, U.S.A., 5-9 Oct., 1986, The Metallurgical Society of AIME, Warrendale, U.S.A., (1986)9.
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