



Curriculum Vitae

Prof. Andrea Di Schino

General data

Name: Andrea Di Schino

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Education

Degree in Physics, University of Pisa, 1996

PhD in Materials Engineering, University of Naples Federico II, 2000

Previous experience

Visting Scientist RWTH Aachen (Institut of Physical Metallurgy), 2000

Senior Scientist at Centro Sviluppo Materiali, Rome (Metallurgy Department), 2000-2015
(*Centro Sviluppo Materiali is a leader research center on metallic materials in Europe*)

Current position

Associate Professor of Metallurgy, Engineering Department, University of Perugia
(from 2015-today)

Specialties

- Metallurgy of Fe-alloys
- Metallurgy of lighth alloys
- Recrystallization and grain growth phenomena
- Electron microscopy
- Electron Back Scattered Microscopy (EBSD)

List of papers

1. Journals

- [1.1] **A study of the Debye-Stokes-Einstein law in supercooled fluids**
L. Andreozzi, A. Di Schino, M. Giordano, D. Leporini
J. Phys.: Condens. Matter, 8, 9605-9608, 1996.
DOI: 10.1088/0953-8984/8/47/070
- [1.2] **Evidence of a fractional Debye-Stokes-Einstein law in supercooled o-terphenyl**
L. Andreozzi, A. Di Schino, M. Giordano, D. Leporini
EuroPhys. Lett., 38, 669-674, 1997.
DOI: 10.1209/epl/i1997-00301-2
- [1.3] **Electron Spin Resonance studies of the enhanced rotation and the fractional Debye-Stokes-Einstein law in polymeric liquid crystals**
L. Andreozzi, A. Di Schino, M. Giordano, D. Leporini
Phil. Mag.B, 77, 547-556, 1998.
- [1.4] **Un acciaio austenitico con contenuto di Ni inferiore al 2%**
M.G. Mecozzi, M. Barteri, A. Di Schino, R. Sanchez
La metallurgia italiana, 10, 49-55, 1999.
- [1.5] **Solidification modes and residual ferrite in low-Ni austenitic stainless steels**
A. Di Schino, M.G. Mecozzi, M. Barteri, J.M. Kenny
J. Mat. Science, 35, 375-380, 2000.
DOI: 10.1023/A:1004774130483
- [1.6] **Development of high nitrogen, low nickel, 18% Cr austenitic stainless steels**
A. Di Schino, J.M. Kenny, M.G. Mecozzi, M. Barteri
J. Mat. Science, 35, 4803-4808, 2000.
DOI: 10.1023/A:1004872728797
- [1.7] **Quantitative evaluation of the metallurgical effects on the strengthening of the AISI 304 stainless steels**
A. Di Schino, J.M. Kenny, M. Barteri
Materials engineering, 11, 141-158, 2000.
- [1.8] **Modelling the primary recrystallization and grain growth in a low nickel austenitic stainless steel**
A. Di Schino, J.M. Kenny, G. Abbruzzese, I. Salvatori
J. Mat. Science, 36, 593-600, 2001.
DOI: 10.1023/A:1004856001632
- [1.9] **Development of a mathematical model for recrystallisation and grain growth: application to AISI 304 stainless steel**
A. Di Schino, I. Salvatori, G. Abbruzzese, J.M. Kenny
Materials engineering, 12, 247-263, 2001.
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- [1.10] **Development of ultrafine grain structure by martensitic reversion in stainless steel**
A. Di Schino, M. Barteri, J.M. Kenny
J. Mat. Science Letters, 21, 751-753, 2002.
DOI: 10.1023/A:1004872728797
- [1.11] **Influence of grain size and film composition on wear resistance of AISI 304 stainless steel coated with amorphous carbon films**
L Valentini, A. Di Schino, J.M. Kenny, Y. Gerbig, H. Haefke
Wear, 253, 458-464, 2002.
DOI: 10.1016/S0043-1648(02)00140-0
- [1.12] **Effects of the grain size on the corrosion behaviour of refined AISI 304 stainless steel**
A. Di Schino, J.M. Kenny
J. Mat. Science Letters, 21, 1631-1634, 2002.
DOI: 10.1023/A:1020338103964
- [1.13] **Effects of martensite formation and austenite reversion on grain refining of the AISI 304 stainless steel**
A. Di Schino, I. Salvatori, J.M. Kenny
J. Mat. Science, 37, 4561-4565, 2002.
DOI: 10.1023/A:1020631912685
- [1.14] **Wear resistance of an high nitrogen stainless steel coated with nitrogenated amorphous carbon films**
A. Di Schino, L. Valentini, J.M. Kenny, Y. Gerbig, I. Ahmed, H. Haefke
Surface and Coatings Technology, 161, 224-231, 2002.
DOI: 10.1016/S0257-8972(02)00557-1
- [1.15] **Analysis of the recrystallization and grain growth processes in AISI 316 stainless steel**
A. Di Schino, J.M. Kenny, G. Abbruzzese
J. Mat. Science, 37, 5291-5298, 2002.
DOI: 10.1023/A:1021068806598
- [1.16] **The effect of grain size on the corrosion resistance of an high nitrogen-low nickel austenitic stainless steel**
A. Di Schino, J.M. Kenny
J. Mat. Science Letters, 21, 1969-1971, 2002.
DOI: 10.1023/A:1021625117639
- [1.17] **Wear resistance of an high nitrogen stainless steel coated with amorphous carbon films: effect of the grain size and film composition**
L. Valentini, A. Di Schino, J.M. Kenny, Y. Gerbig, H. Haefke
Materials Letters, 57, 1281-1287, 2003.
DOI: 10.1016/S0167-577X(02)00972-2
- [1.18] **Grain refinement strengthening of a micro-crystalline high nitrogen austenitic stainless steel**
A. Di Schino, J.M. Kenny
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Materials Letters, 57, 1830-1834, 2003.
DOI: 10.1016/S0167-577X(02)01076-5

- [1.19] **High temperature resistance of a high nitrogen and low nickel austenitic stainless steel**
A. Di Schino, J.M. Kenny, M. Barteri
J. Mat. Science Letters, 22, 691-693, 2003.
DOI: 10.1023/A:1023675212900
- [1.20] **Grain size dependence of the fatigue behavior of a ultrafine grained AISI 304 stainless steel**
A. Di Schino, J.M. Kenny
Materials Letters, 57, 3182-3185, 2003.
DOI: 10.1016/S0167-577X(03)00021-1
- [1.21] **Cavitation erosion resistance of a high nitrogen austenitic stainless steel as a function of its grain size**
G. Bregliozzi, A. Di Schino, H. Haefke, J.M. Kenny
J. Mat. Science Letters, 22, 981-983, 2003.
DOI: 10.1023/A:1024673215823
- [1.22] **Grain size dependence of mechanical, corrosion and tribological properties of high nitrogen stainless steels**
A. Di Schino, M. Barteri, J.M. Kenny
J. Mat. Science, 38, 3257-3262, 2003.
DOI: 10.1023/A:1025181820252
- [1.23] **The influence of atmospheric humidity and grain size on the friction and wear of an ultrafine grained AISI 304 austenitic stainless steel**
G. Bregliozzi, A. Di Schino, H. Haefke, J.M. Kenny
Materials Letters, 57, 4505-4508, 2003.
DOI: 10.1016/S0167-577X(03)00351-3
- [1.25] **Fatigue behaviour of a high nitrogen austenitic stainless steel as a function of its grain size**
A. Di Schino, M. Barteri, J.M. Kenny
J. Mat. Science Letters, 22, 1511-1513, 2003.
DOI: 10.1023/A:1026155215111
- [1.26] **Recrystallization and grain growth in austenitic stainless steels: a statistical approach**
A. Di Schino, J.M. Kenny, G. Abbruzzese
J. Mat. Science and Technology, 19, 119-121, 2004.
- [1.27] **Wear resistance of fine grained high nitrogen austenitic stainless steel coated with amorphous carbon films: the soft x-ray spectroscopy approach**
L. Valentini, A. Di Schino, J.M. Kenny, S. La Rosa, L. Lozzi, S. Cantucci, G. Bregliozzi, Y. Gerbig, H. Haefke
Tribology Letters, 16, 51-58, 2004.

- [1.28] **Effects of grain size on the properties of a low nickel austenitic stainless steel**
A. Di Schino, M. Barteri, J.M. Kenny
J. Mat. Science, 38, 4725-4733, 2003.
DOI: 10.1023/A:1027470917858
- [1.29] **Influence of atmospheric humidity and grain size on the friction and wear of high nitrogen austenitic stainless steel**
G. Bregliozzi, A. Di Schino, H. Haefke, J.M. Kenny
J. Mat. Science, 39, 1481-1484, 2004.
DOI: 10.1023/B:JMSC.0000013923.41628.69
- [1.30] **Friction and wear behavior of AISI 304 austenitic stainless steel: influence of atmospheric humidity, load range and grain size**
G. Bregliozzi, I. Ahmed, A. Di Schino, J.M. Kenny, H. Haefke.
Tribology Letters, 17, 697-704, 2004.
DOI: 10.1007/s11249-004-8075-z
- [1.31] **Cavitation wear behaviour of austenitic stainless steels with different grain sizes**
G. Bregliozzi, A. Di Schino, S. Amhed, J.M. Kenny, H. Haefke
Wear, 258, 503-510, 2005.
DOI: 10.1016/j.wear.2004.03.024
- [1.32] **Effect of microstructure on cleavage resistance of high strength quenched and tempered steels**
A. Di Schino, C. Guarnaschelli
Materials Letters, 63, 1968-1972, 2009.
DOI: 10.1016/j.matlet.2009.06.032
- [1.33] **Cavitation Erosion and Friction Behavior of Stainless Steel as a Function of Grain Size**
G. Bregliozzi, S. Ahmed, A. Di Schino, J.M. Kenny, H. Haefke
MRS Online Library, 01/2011; 782. DOI:10.1557/PROC-782-A5.38, 2011.
- [1.34] **Tensile and impact behaviour of a microalloyed medium carbon steel: effect of the cooling condition and corresponding microstructure**
L. Ceschini, A. Marconi, C. Martini, A. Morri, A. Di Schino
Materials and Design, 45, 171-178, 2013.
DOI: 10.1016/j.matdes.2012.08.063
- [1.35] **Studio dell'effetto degli elementi di lega sulla temprabilità e comportamento al rinvenimento di acciai per *back-up rolls* a ridotto tenore di Molibdeno**
F. Curbis, S. Mengaroni, M. Calderini, S. Neri, E. Evangelista, A. Di Schino, M. Paura
La Metallurgia italiana, 9, 23-28, 2013.
- [1.36] **Suitability study of endless strip production technology for fabrication of API grades**
A. Smith, M. Lubrano, A. Di Schino, A. Guindani
La Metallurgia italiana, 3, 43-51, 2014.

- [1.37] **Analisi del processo di deformazione a caldo di un acciaio al 3% Cr mediante prove di torsione**
A. Mengaroni, F. Cianetti, F. Curbis, A. Di Schino, M. Fabrizi, M. Calderini, E. Evangelista
La Metallurgia italiana, 2, 11-14, 2015.
- [1.38] **Disegno metallurgico di una microstruttura alto resistenziale ad alta tenacità e deformabilità migliorata**
A. Di Schino, G. Porcu, Z. Lei, C. Zhang
La Metallurgia italiana, 3, 29-35, 2015.
- [1.39] **Tool steels: forging simulation and microstructure evolution of large scale ingot**
S. Mengaroni, F. Cianetti, M. Calderini, E. Evangelista, A. Di Schino, H. McQueen
Acta Physica Polonica A, 128, 629-632, 2015.
DOI: 10.12693/APhysPolA.128.629
- [1.40] **Effect of Q&P process on 0.15C-MnSi steels**
A. Di Schino, P. Di Nunzio, A. Mengaroni, P. Rodriguez-Calvillo, J.M. Cabrera
Journal of Materials Science and Engineering A, 6, N.3-4A, 112-115, 2016.
DOI: 10.17265/2161-6213/2016.3-4.011
- [1.41] **Improving hardenability of high thickness forged steel materials by B addition**
S. Mengaroni, P. Di Nunzio, S. Neri, M. Calderini, A. Di Schino
Journal of Materials Science and Engineering A, 6, N.3-4A, 2016.
DOI: 10.17265/2161-6221/2016.3-4.008
- [1.42] **Analysis of heat treatment effect on microstructural features evolution in a micro-alloyed martensitic steel**
A. Di Schino
Acta Metallurgica Slovaca, 22, 266-270, 2016.
DOI: 10.12776/ams.v22i4.815
- [1.43] **Effect of Nb microalloying on the heat affected zone microstructure of girth welded joints**
A. Di Schino, P. Di Nunzio
Materials Letters, 186, 86-89, 2017.
DOI: 10.1016/j.matlet.2016.09.092
- [1.44] **Miglioramento della pulizia di acciai al carbonio mediante il controllo della scoria di processo**
R. Ceccolini, U. Martini, S. Rinaldi S. Mengaroni, S. Neri, L. Torre, A. Di Schino
La Metallurgia italiana, 2, 5-11, 2017.
- [1.45] **Effect of Quenching & Partitioning process on a low carbon steel**
A Di Schino, P. Di Nunzio, J.M. Cabrera
Advanced Materials Letters, in press.
DOI: 10.5185/amlett.2016.1487

- [1.46] **Effect of chemical composition on hardenability of high strength low-C steels**
A. Di Schino
Advanced Materials Proceedings, in press.
AMP1406979R1
- [1.47] **Vanadium micro-alloyed high strength steels for forgings**
C. Zitelli, S. Mengaroni, A. Di Schino
Metallurgija, 56(3), 279-XX, 2017, in press.
2581
- [1.48] **Interrupted quenching in high carbon forged components**
G. Napoli, S. Mengaroni, M. Ralliini, L. Torre, A. Di Schino
Metallurgija, in press.
2582
- [1.49] **Contact fatigue phenomena in back up rolls of alloyed steels**
P. Di Nunzio, A. Di Schino
Metallurgija, in press.
2583
- [1.50] **Metallurgical aspects related to contact fatigue phenomena in steels for back-up rolls**
P. Di Nunzio, A. Di Schino
Acta Metallurgica Slovaca, in press.
- [1.51] **Micro-alloyed high strength steels for forgings: influence of Q&T temperatures**
C. Zitelli, G. Napoli, S. Mengaroni, A. Di Schino
Journal of Chemical Technology and Metallurgy, in press.
- [1.52] **Studio dell'effetto dei parametri microstrutturali sulla resistenza a fatica di una lega 2014-T6**
A. Alunni, F. Cianetti, A. Di Schino, F. Nobili, C. Testani
La Metallurgia italiana, in press.
- [1.53] **Quantitative evaluation of the metallurgical mechanisms affecting strength of austenitic stainless steels**
A. Di Schino
Metallurgist, in press.
- [1.54] **Niobium effect on base metal and heat affected zone microstructure of girth welded joints**
P. Di Nunzio, A. Di Schino
Acta Metallurgica Slovaca, in press.

2. Conference papers

- [2.1] **Un acciaio austenitico con contenuto di Ni inferiore al 2%**
M.G. Mecozzi, M. Barteri, A. Di Schino, R. Sanchez
Atti del 27° Congresso Nazionale AIM "Progettiamo il futuro", Orvieto, 1, 382-393, 1998.
- [2.2] **Structural high Nitrogen based austenitic stainless steels**
A. Di Schino, J.M. Kenny, M.G. Mecozzi, M. Barteri
Proceedings of the 20th SAMPE Europe International Conference, Parigi, ed. by M. Erath, The Society for the Advancement of Materials and Process Engineering, 175-183, 1999.
- [2.3] **High nitrogen and low nickel austenitic stainless steels**
M.G. Mecozzi, M. Barteri, A. Di Schino
Proceedings of the Stainless Steel '99 International Conference, Chia Laguna, AIM, 2, 333-342, 1999.
- [2.4] **Recrystallization and grain growth in low Ni austenitic stainless steels**
I. Salvatori, G. Abbruzzese, A. Di Schino
Proceedings of the Stainless Steel '99 International Conference, Chia Laguna, AIM, 2, 57-66, 1999.
- [2.5] **Statistical model of primary recrystallization and grain growth: application to stainless steels**
G. Abbruzzese, A. Di Schino, I. Salvatori
Proceedings of the 4th International Conference on Recrystallization and related Phenomena, Tsukuba (Japan), ed. by T. Sakai and H.G. Suzuki, The Japan Institute of Metals, 19, 617-624, 1999.
- [2.6] **Acciai inossidabili austenitici ad alto azoto per applicazioni strutturali**
A. Di Schino, M.G. Mecozzi
Atti del 5° Congresso AIMAT, Spoleto, a cura di J.M. Kenny, 2, 529-532, 2000.
- [2.7] **Sviluppo di un modello matematico di tipo statistico per la ricristallizzazione primaria e secondaria: applicazione al caso dell' acciaio inossidabile AISI 304**
A. Di Schino, I. Salvatori, G. Abbruzzese, J.M. Kenny.
Atti del 5° Congresso AIMAT, Spoleto, a cura di J.M. Kenny, 2, 533-536, 2000.
- [2.8] **Ultra fine grain microstructure in a AISI 301 stainless steel: a martensitic reversion approach**
A. Di Schino, M. Barteri, J.M. Kenny
Atti del 6° Congresso Nazionale INSTM, Trento, B10, 2001.
- [2.9] **A statistical model for recrystallisation and grain growth: application to the AISI 316 stainless steel**
A. Di Schino, B. Paulucci, M. Barteri, G. Abbruzzese, J.M. Kenny
Proceedings of the 7th Euromat International Conference, Rimini, 947, 2001.
ISBN 88-85298-39-7.
- [2.10] **A statistical model for recrystallization and grain growth: application to the AISI 304 stainless**
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- A. Di Schino, G. Abbruzzese
Proceedings of the First Joint International Conference on Recrystallization and Grain Growth, Aachen (Germany), ed. by G. Gottstein e D.A. Molodov, Springer, 2, 1021-1026, 2001.
- [2.11] **Effect of grain refinement on strength and corrosion resistance of AISI 304 stainless steel**
A. Di Schino, I. Salvatori, J.M. Kenny
Proceedings of the First International Conference on Advanced Structural Steels, Tsukuba (Japan), 327-328, 2002.
- [2.12] **Strengthening of a structural high nitrogen austenitic stainless steel by grain refinement**
I. Salvatori, A. Di Schino, J.M. Kenny
Proceedings of the First International Conference on Advanced Structural Steels, Tsukuba (Japan) 329-330, 2002.
- [2.13] **Influence of grain size and film composition on the wear resistance of a structural stainless steel coated with amorphous carbon films**
A. Di Schino, L. Valentini, J.M. Kenny, Y. Gerbig, I. Ahmed, H. Haefke
Proceedings of the Sixth Workshop on the Ultra-Steel: new structural steels and new design of constructions, Tsukuba (Japan), 116-117, 2002.
- [2.14] **Wear resistance of ultra fine grained AISI 304 stainless steel coated with amorphous carbon films**
A. Di Schino, L. Valentini, G. Bregliozzi, J.M. Kenny, Y. Gerbig, I. Ahmed, H. Haefke
Proceedings of the Sixth Workshop on the Ultra-Steel: new structural steels and new design of constructions, Tsukuba (Japan), 118-119, 2002.
- [2.15] **Grain refinement by martensitic reversion in the AISI 304 stainless steel: effect on the mechanical properties**
A. Di Schino, J.M. Kenny, I. Salvatori, M. Barteri
Proceedings of the 4th European Stainless Steel Science and Market Congress, Parigi, *Revue de Metallurgie*, 2, 22-25, 2002.
- [2.16] **Effetto della dimensione del grano sulla resistenza a corrosione nell'acciaio AISI 304**
A. Di Schino, J.M. Kenny
Atti del 6° Congresso AIMAT, Modena, 2002.
ISBN: 88-88679-00-6.
- [2.17] **Resistenza all'usura dell'acciaio AISI 304 rivestito con film sottili amorfi: effetti della dimensione del grano**
A. Di Schino, L. Valentini, G. Bregliozzi, J.M. Kenny, Y. Gerbig, H. Haefke
Atti del 6° Congresso AIMAT, Modena, 2002.
ISBN: 88-88679-00-6.
- [2.18] **Mechanical and tribological properties of austenitic stainless steels as a function of their grain size**
G. Bregliozzi, Y. Gerbig, I. Ahmed, A. Di Schino, L. Valentini, J.M. Kenny, H. Haefke
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Proceedings of the Kurzfassung für Gft Tribologie Fachtagung, Göttingen (Germany), 1, 1-9, 2002.

- [2.19] **Effect of load range, relative humidity and grain size on the microfriction behaviour of AISI 304 austenitic stainless steel**
G. Bregliozzi, A. Di Schino, I. Ahmed, H. Haefke, J.M. Kenny
Proceedings of the TRIMIS 2003 International Conference, Neuchatel (Switzerland), 43, 2003.
- [2.20] **Tribological properties of a high nitrogen austenitic stainless steel coated with amorphous carbon films as a function of the steel grain size and of the film chemical composition**
A. Di Schino, L. Valentini, J. M. Kenny, Y. Gerbig, G. Bregliozzi, H. Haefke
Proceedings of the MATRIB 2003 International Conference, Vela Luka (Croatia), ed by Krešimir Grilec, Croatian Society for Materials and Tribology, 243-248, 2003.
- [2.21] **The effect of grain size on the mechanical and cavitation resistance of a high nitrogen and low nickel austenitic stainless steel (INVITED PAPER)**
A. Di Schino, I. Salvatori, J.M. Kenny
Proceedings of the Thermec '2003 International Conference, Madrid, ed. by T. Chandra, J.M. Torralba, T. Sakai, *Materials Science Forum*, **426-432**, 975-980, 2003.
- [2.22] **Modelling primary recrystallization and grain growth in the AISI 316 stainless steel (INVITED PAPER)**
A. Di Schino, J.M. Kenny, G. Abbruzzese
Proceedings of the Thermec '2003 International Conference, Madrid, ed. by T. Chandra, J.M. Torralba, T. Sakai, *Materials Science Forum*, **426-432**, 1011-1016, 2003.
- [2.23] **Cavitation erosion and friction behaviour of stainless steel as a function of its grain size**
G. Bregliozzi, I. Ahmed, A. Di Schino, J.M. Kenny, H. Haefke
Materials Research Society Symposium, 2003, Boston.
- [2.24] **The friction and wear behaviour of austenitic stainless steels as a function of grain size**
G. Bregliozzi, I. Ahmed, A. Di Schino, J.M. Kenny, H. Haefke
Proceedings of SST Conference, Zurich, 38, 2003.
- [2.25] **Erosive and wear behaviour of two different austenitic stainless steels as a function of grain size**
G. Bregliozzi, A. Di Schino, J.M. Kenny, H. Haefke
Proceedings of International Conference of Erosive and Abrasive Wear II, Elsevier, Cambridge, 69, 2003.
- [2.26] **Development of high strength quenched and tempered seamless pipes**
A. Di Schino, E. Anelli, G. Cumino, M. Tivelli, A. Izquierdo
Proceedings of Super High Strength Steels Conference, Roma, 2005, Paper n° 158.

- [2.27] **Metallurgical Aspects of Heavy Wall - High Strength Seamless Pipes for Deep Water Applications**
M. Tivelli, G. Cumino, A. Izquierdo, E. Anelli, A. Di Schino
Proceedings of the RioPipeline 2005, Rio (Brasil), 2005, Paper n° IBP 1008_05.
- [2.28] **Metallurgical design and development of C125 grade for mild sour service application**
A. Di Schino, G. Porcu, M. Longobardo, G. Lopez Turconi, L. Scoppio
Proceedings of NACE Conference, S. Diego (California), 2006, Paper n° 06125.
- [2.29] **Development of Q&T weldable seamless pipes of 100 ksi grade**
E. Anelli, A. Di Schino, G. Porcu, A. Izquierdo, H. Quintanilla, G. Cumino, M. Tivelli
Proceedings of the International Symposium on Microalloyed Steels for the Oil & Gas Industry, Ed. by TMS, Araxà (Brasil), 2006.
- [2.30] **Seamless pipes of 100 ksi grade**
E. Anelli, A. Di Schino, A. Izquierdo, H. Quintanilla, G. Cumino, M. Tivelli
Proceedings of the 6th International Pipeline Conference (IPC), Ed. by ASME, Calgary, Alberta, Canada, 2006, 427-436.
DOI: 10.1115/IPC2006-10368
- [2.31] **Microstructure during tempering of martensite in a medium-C steel**
A. Di Schino, P.E. Di Nunzio, G. Lopez Turconi
Proceedings of the Third Joint International Conference on Recrystallization and Grain Growth, Jeju Island (Korea), *Materials Science Forum*, **558-559**, 1435-1441, 2007.
- [2.32] **Development of high strength 100 ksi seamless weldable for deepwater riser application**
A. Izquierdo, H. Quintanilla, A. Di Schino, E. Anelli
Proceedings of the 26th International Conference on Offshore Mechanics and Arctic Engineering (OMAE), Ed. by ASME, San Diego (California), 2007, 305-314.
DOI: 10.1115/OMAE2007-29316
- [2.33] **Effect of chemical composition on hardenability and response to tempering of high strength low-c steels**
A. Di Schino, A. Izquierdo, E. Anelli
Proceedings of the International Conference on New Developments on Metallurgy and Applications of High Strength Steels, Buenos Aires (Argentina), 2008, Paper n° 141.
- [2.34] **Microstructure and cleavage resistance of high strength steels (*INVITED PAPER*)**
A. Di Schino, C. Guarnaschelli
Proceedings of the Thermec '2009 International Conference, Berlin, ed. by T. Chandra, *Materials Science Forum*, 638-642, 3188-3193, 2010.
DOI: 10.4028/www.scientific.net/MSF.638-642.3188
- [2.35] **Effect of microstructure on cleavage resistance of high strength quenched and tempered steels**
A. Di Schino, C. Guarnaschelli

Proceedings of the ISSS '2009 International Conference: Strength, plasticity and fracture in steels, Kyoto, ed. By K.Higashida and N. Tsuji, The Iron and Steel Institute of Japan (ISIJ), 131-134, 2010.

- [2.36] **Microstructure evolution during quenching and tempering of martensite in a medium C steel**
A. Di Schino, L. Alleva, M. Guagnelli
Proceedings of the 4th Joint International Conference on Recrystallization and Grain Growth, Sheffield (UK), Materials Science Forum, 715-716, 860-865, 2012.
DOI: 10.4028/www.scientific.net/MSF.715-716.860
- [2.37] **Strength and toughness improvement in complex microstructures HSS by means of microstructural parameters optimization (KEYNOTE)**
A. Di Schino, M. Guagnelli, C. Guarnaschelli
Proceedings of the 2nd International Conference on New Developments on Metallurgy and Applications of High Strength Steels, Peschiera del Garda, 2010, Paper n°14.
- [2.38] **Study of contact fatigue phenomena influence on back-up rolls rolling campaign duration and grinding operations**
M. Paura, A. Di Schino, D. Stocchi, S. Lionetti, M. Calderini, S. Neri
Proceedings of the Iron and Steel technology Conference (AISTECH), Indianapolis, 2011.
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