

## LIST OF PUBLICATIONS

### Research papers (on Scientific Journals or Books with Referees):

- [40AR] **A.Aimi, G.Buffoni, M.Groppi**: “Decomposition of a planar vector field into irrotational and rotational components”, *Appl. Math. Comp.*, **244**, 63-90, (2014)
- [39AR] **A.Aimi, L.Desiderio, M.Diligenti, C.Guardasoni**: “A numerical study of energetic BEM-FEM applied to wave propagation in 2D multidomains”, *Publications de l'Institut Mathématique*, **96** (110), 5–22, (2014)
- [38AR] **A.Aimi, S.Panizzi**: “BEM-FEM coupling for the 1D Klein-Gordon equation”, *Numerical Methods for Partial Differential Equations***30** (6), 2042-2082, (2014)
- [37AR] **A.Aimi, M.Diligenti, A.Frangi, C.Guardasoni**: “Energetic BEM-FEM coupling for wave propagation in 3D multidomains”, *Internat. j. Numer. Methods Engrg.*, **97**, 377–394, (2014)
- [36AR] **A.Aimi, S.Panizzi**: “On the regularization of bilinear forms with hypersingular kernel”, *Appl. Comput. Math.*, **12** (2), 184-210, (2013)
- [35AR] **A.Aimi, M.Diligenti, A.Frangi, C.Guardasoni**: “Neumann exterior wave propagation problems: computational aspects of 3D energetic Galerkin BEM”, *Comp. Mech.*, DOI: 10.1007/s00466-012-0796-5, **51**, 475-493, (2013)
- [34AR] **A.Aimi, M.Diligenti, C.Guardasoni, S. Panizzi**: “Energetic BEM-FEM coupling for wave propagation in layered media”, *Communications in Applied and Industrial Mathematics*, **3**, No. 2, 1-21, (2012)
- [33AR] **A.Aimi, M.Diligenti, A.Frangi, C.Guardasoni**: “A stable 3D energetic Galerkin BEM approach for wave propagation interior problems”, *Engineering Analysis with Boundary Elements*, **36**, 1756-1765, (2012)
- [32AR] **A.Aimi, M.Diligenti, C.Guardasoni**: “Restriction matrices in space-time energetic BEM”, *Engineering Analysis with Boundary Elements*, **36**, 1256-1271, (2012)
- [31AR] **A.Aimi, S.Gazzola, C.Guardasoni**: “Energetic boundary element method analysis of wave propagation in 2D multilayered media”, *Mathematical Methods in the Applied Sciences*, **35**, 1140-1160, (2012)
- [30AR] **A.Aimi, S.Gazzola, C.Guardasoni**: “Energetic BEM for domain decomposition in 2D wave propagation problems”, *Communications in Applied and Industrial Mathematics*, **2** No.1, 1-22, (2011)
- [29AR] **A.Aimi, M.Diligenti, C.Guardasoni**: “Numerical integration schemes for applications of energetic Galerkin BEM to wave propagation problems”, *Riv. Mat. Univ. Parma*, **2**, 147-187, (2011)
- [28AR] **A.Aimi, M.Diligenti, C.Guardasoni**: “On the energetic Galerkin boundary element method applied to interior wave propagation problems”, *J. Comp. Appl. Math.*, **235**, 1746–1754, (2011)

- [27AR] **A.Aimi, M.Diligenti, S.Panizzi**: “Energetic Galerkin BEM for wave propagation Neumann exterior problems”, *CMES*, **58**, 185–219, (2010)
- [26AR] **A.Aimi, M.Diligenti, C.Guardasoni**: “Numerical integration schemes for space-time hypersingular integrals in energetic Galerkin BEM”, *Numer. Algorithms*, **55**, 145–170, (2010)
- [25AR] **A.Aimi, M.Diligenti, I.Mazzieri, S.Panizzi, C.Guardasoni**: “A space-time Galerkin BEM for 2D exterior wave propagation problems”, in *Applied and Industrial Mathematics in Italy III*, Series on Advances in Mathematics for Applied Sciences, De Bernardis E., Spigler R., Valente V., (Eds.), Vol. 82, World Scientific, 13-24, (2010)
- [24AR] **A.Aimi, M.Diligenti, C.Guardasoni, I.Mazzieri, S.Panizzi**: “An energy approach to space-time Galerkin BEM for wave propagation problems”, *Internat. j. Numer. Methods Engrg.*, **80**, 1196–1240, (2009)
- [23AR] **A.Aimi, M.Diligenti**: “A new space-time energetic formulation for wave propagation analysis in layered media by BEMs”, *Internat. j. Numer. Methods Engrg.*, **75**, 1102-1132, (2008)
- [22AR] **A.Aimi, M.Diligenti, C.Guardasoni, S.Panizzi**: “A space-time energetic formulation for wave propagation analysis by BEMs”, *Riv. Mat. Univ. Parma*, (7) **8**, 171-207, (2008)
- [21AR] **A.Aimi, M.Diligenti**: “Numerical Integration Schemes for Petrov-Galerkin Infinite BEM”, *Appl. Numer. Math.*, **58**, 1084-1102, (2008)
- [20AR] **A.Aimi, M.Diligenti**: “Restriction Matrices for Numerically Exploiting Symmetry”, *Adv. Comput. Math.*, **28**, 201-235, (2008)
- [19AR] **A.Aimi, M.Diligenti, M.Groppi, C.Guardasoni**: “On the numerical solution of a BGK-type model for chemical reactions”, *European J. Mech. –B/Fluids*, **26**, 455-472, (2007)
- [18AR] **A.Aimi, M.Diligenti**: “Numerical Integration Schemes for hypersingular integrals on the real line”, *Communications to SIMAI Congress*, **2**, 1-10, (2007)
- [17AR] **A.Aimi, M.Diligenti, M.Groppi, C.Guardasoni**: “Numerical approximation of a BGK-type relaxation model for reactive mixtures”, in *Applied and Industrial Mathematics in Italy II*, Series on Advances in Mathematics for Applied Sciences, Cutello V., Fotia G., Puccio L.(Eds.), Vol. 75, World Scientific, Singapore, 1-12, (2007)
- [16AR] **A.Aimi, M.Diligenti, F.Freddi**: “Numerical aspects in the SGBEM solution of softening cohesive interface problems”, *J. Comp. Appl. Math.*, **210**, 22-33, (2007)
- [15AR] **A.Aimi, M.Diligenti, A.Salvadori**: “Restriction Matrices and Symmetric Panel Clustering Method for multi-domain SGBEM”, in M.Primicerio, R.Spigler, V.Valente (Eds.): *Applied and Industrial Mathematics in Italy*, Series on Advances in Mathematics for Applied Sciences, Vol. 69, World Scientific, London, 1-12, (2005)
- [14AR] **A.Aimi, M.Diligenti, F.Lunardini**: “Panel Clustering Method and Restriction Matrices for Symmetric Galerkin BEM”, *Numer. Algorithms*, **40**, 355-382, (2005)
- [13AR] **A.Aimi, M.Diligenti, F.Freddi, A.Salvadori**: “Restriction Matrices for SGBEM Applications”, *Comp. Mech.*, **32**, 430-444, (2003)

- [12AR] **A.Aimi, M.Diligenti, F.Lunardini, A.Salvadori:** “A New Application of the Panel Clustering Method for 3D SGBEM”, *CMES: Computer Modeling in Engineering & Sciences*, **4**, 1, 31-49, (2003)
- [11AR] **A.Aimi, L.Bassotti, M.Diligenti:** “Groups of Congruences and Restriction Matrices”, *BIT Numerical Mathematics*, **43**, 671-693, (2003)
- [10AR] **A.Aimi, M.Diligenti:** “Numerical integration in 3D Galerkin BEM solution of HBIEs”, *Comp. Mech.*, **28**, 233-249, (2002)
- [9AR] **A.Aimi, M.Diligenti:** “Hypersingular kernel integration in 3D Galerkin boundary element method”, *J. Comp. Appl. Math.*, **138**, 1, 51-72, (2002)
- [8AR] **A.Aimi, L.Bassotti, M.Diligenti:** “Analisi di algoritmi per la risoluzione in parallelo di problemi al contorno di tipo ellittico”, *Riv. Mat. Univ. Parma*, (6) **3** , 219-244 , (2000)
- [7AR] **A.Aimi, M.Diligenti, G.Monegato:** “Numerical integration schemes for the BEM solution of hypersingular integral equations”, *Internat. j. Numer. Methods Engrg.*, **45**, 1807-1830, (1999)
- [6AR] **A.Aimi:** “New numerical integration schemes for the solution of (hyper)singular integral equations with Galerkin BEM”, *Bollettino U.M.I.*, (8) 2-A Suppl., 177-179, (1999)
- [5AR] **A.Aimi, A.Carini, M.Diligenti, G.Monegato:** “Numerical integration schemes for evaluation of (hyper)singular integrals in 2D BEM”, *Comp. Mech.*, **22** (1), 1-11, (1998)
- [4AR] **A.Aimi, M.Diligenti:** “Error analysis for singular integral evaluation on piecewise smooth curves in Galerkin BEM”, *Riv. Mat. Univ. Parma*, (6) **1** ,181-205, (1998)
- [3AR] **A.Aimi, M.Diligenti, G.Monegato:** “New numerical integration schemes for applications of Galerkin BEM to 2D problems”, *Internat. j. Numer. Methods Engrg.*, **40**, 1977-1999, (1997)
- [2AR] **A.Aimi, M.Diligenti:** “Stima dell’errore nel calcolo degli autovettori nel problema del Buckling di una piastra incastrata al bordo”, *Calcolo*, **30** (2), 171-187, (1993)
- [1AR] **A.Aimi, M.Diligenti:** “Difetti ed eccessi degli autovalori del classico problema di Buckling”, *Calcolo*, **29** (3-4), 313-328, (1992)

Research papers or abstracts in Conference Proceedings:

- [48AC] **A.Aimi, M.Diligenti, M.L.Sampoli, A.Sestini:** “Isogeometric Analysis and Symmetric Galerkin BEM: a 2D numerical study“, *SMART 2014 Abstracts*, p. 26, (2014)
- [47AC] **A.Aimi, M.Diligenti, C.Guardasoni, S.Panizzi:** “Energetic BEM-FEM coupling for the numerical solution of the damped wave equation“, *ICNAAM 2014 - AIP Conference Proceedings*, Vol. ? (?), ??-??, (2014)
- [46AC] **A.Aimi, M.Diligenti, C.Guardasoni, S.Panizzi:** “Numerical analysis of the damped wave equation by “energetic” formulations“, *WCCM XI Proceedings*, 3815-3826, (2014)

- [45AC] **A.Aimi, L.Desiderio, M.Diligenti, C.Guardasoni:** “Analysis of Damped Waves Using Energetic BEM-FEM coupling”, *BETEQ 2014 Proceedings*, 28-33, (2014)
- [44AC] **A.Aimi, L.Desiderio, M.Diligenti, C.Guardasoni:** “Energetic BEM-FEM for 2D wave propagation problems”, *Book of Abstracts, IWATA 2013*, 27, (2013)
- [43AC] **A.Aimi, L.Desiderio, M.Diligenti, A.Frangi, C.Guardasoni:** “Energetic BEM-FEM coupling for wave propagation in layered media”, *BETEQ 2013 Proceedings*, 21-26, (2013)
- [42AC] **A.Aimi, M.Diligenti, A.Frangi, C.Guardasoni:** “Energetic BEM-FEM coupling for wave propagation in unbounded domains”, *Proceedings of the 11th International Conference on Mathematical and Numerical Aspects of Waves (Waves 2013)*, 185-186, 2013
- [41AC] **A.Aimi, C.Guardasoni, S.Panizzi:** “BEM-FEM coupling for the one-dimensional Klein-Gordon equation”, *Proceedings of the 11th International Conference on Mathematical and Numerical Aspects of Waves (Waves 2013)*, 193-194, 2013
- [40AC] **A.Aimi, M.Diligenti, C.Guardasoni:** “Platonic Solids, Restrictions Matrices and Space-Time Energetic Galerkin BEM”, *Proceedings of the 11th International Conference on Mathematical and Numerical Aspects of Waves (Waves 2013)*, 199-200, 2013
- [39AC] **A.Aimi, M.Diligenti, A.Frangi, C.Guardasoni:** “Restriction matrices for exploiting symmetry in 3D wave propagation analysis by Energetic BEM”, *CD-ROM Proceedings of the 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012)*, 1-20, 2012
- [38AC] **A.Aimi, M.Diligenti, A.Frangi, C.Guardasoni:** “A stable energetic Galerkin BEM for 3D wave propagation interior problems”, *Abstracts, XI Congresso SIMAI*, 126, (2012)
- [37AC] **A.Aimi, M.Diligenti, C.Guardasoni, S.Panizzi:** “An energetic approach to BEM-FEM coupling for wave propagation phenomena”, *Abstracts, XI Congresso SIMAI*, 124, (2012)
- [36AC] **A.Aimi, M.Diligenti, C.Guardasoni, S.Panizzi:** “On the regularization of Galerkin BEM hypersingular bilinear forms”, *Book of Abstracts, SC2011*, 226, (2011)
- [35AC] **A.Aimi, C.Guardasoni, S.Panizzi, A.Frangi:** “Un metodo BEM energetico di tipo Galerkin per problemi di propagazione di onde“, *Conferenze e Comunicazioni XIX Congresso UMI*, 265, (2011)
- [34AC] **A.Aimi, M.Diligenti, A.Frangi, C.Guardasoni:** “On the energetic Galerkin BEM applied to 3D wave propagation problems“, *Extended Abstracts IABEM 2011*, 6pp., (2011)
- [33AC] **A.Aimi, A.Carini, M.Diligenti, A.Salvadori:** “Variational formulations for the energetic approach to 2D wave propagation boundary integral equations“, *Extended Abstracts IABEM 2011*, 6pp., (2011)
- [32AC] **A.Aimi, M.Diligenti, C.Guardasoni:** “Energetic Galerkin BEM for 2D Wave Propagation Problems in Piecewise Homogeneous Media“, *ICNAAM 2010 - AIP Conference Proceedings*, Vol. 1281 (III), 2085-2088, (2010)

- [31AC] **A.Aimi, M.Diligenti, C.Guardasoni:** “Multi-domain BEM for two dimensional problems of wave propagation“, *Book of Abstracts X SIMAI Congress*, 71, (2010)
- [30AC] **A.Aimi, M.Diligenti, C.Guardasoni:** “Exploiting geometrical symmetries in space-time BIEs discretization“, *Abstracts ECCM 2010*, 1p., (2010)
- [29AC] **A.Aimi, M.Diligenti, C.Guardasoni:** “Efficient numerical integration schemes for the discretization of hypersingular BIEs related to wave propagation problems“, *Book of Abstracts DWCAA09*, 64, (2009)
- [28AC] **A.Aimi, M.Diligenti, C.Guardasoni:** “Numerical integration schemes for the discretization of BIEs related to wave propagation problems“, *Proceedings of IX CMMSE Conference*, J.Vigo-Aguilar (Ed.), Volumen I, 45-56, (2009)
- [27AC] **A.Aimi, M.Diligenti, C.Guardasoni, I.Mazzieri, S.Panizzi:** “An energy approach for time-domain boundary integral formulations of the wave equation“, *Book of Abstracts IX SIMAI Congress*, 1 p., (2008)
- [26AC] **A.Aimi, C.Guardasoni, S.Panizzi:** “One-dimensional wave propagation analysis in layered media by BEMs“, *Book of Abstract of the SIMAI Meeting on “Perspective on Development of the Applied Mathematics in Italy*, 1p., (2007)
- [25AC] **A.Aimi, M.Diligenti, C.Guardasoni:** “Numerical results for the wave propagation problem with space-time boundary element method“, *Atti XVIII Congresso AIMETA*, , CD-rom, 12 pp., (2007)
- [24AC] **A.Aimi, A.Carini, M.Diligenti, S.Panizzi, A.Salvadori:** “Space-time variational formulations for BIEs related to the wave problem“, *Atti XVIII Congresso AIMETA*, CD-rom, 11 pp., (2007)
- [23AC] **A.Aimi, A.Carini, M.Diligenti, C.Guardasoni:** “Numerical results of one-dimensional wave propagation analysis in layered media“, *BETEQ 2007 Proceedings*, 6 pp., (2007)
- [22AC] **A.Aimi, S.Panizzi, A.Carini, M.Diligenti:** “Remarks on space-time variational formulations for BIEs related to the wave problem“, *BETEQ 2007 Proceedings*, 6 pp., (2007)
- [21AC] **A.Aimi, M.Diligenti:** “Numerical Integration Schemes for Petrov-Galerkin Infinite BEM“, *Book of Abstracts, IABEM 2006 Conference*, 297-300, (2006)
- [20AC] **A.Aimi, M.Diligenti, M.Groppi, C.Guardasoni:** “Numerical approximation of a BGK-type relaxation model for reactive mixtures“, *Extended Abstracts VIII Congresso SIMAI*, CD Rom, 4 pp., (2006)
- [19AC] **A.Aimi, M.Diligenti:** “Numerical Integration Schemes for hypersingular integrals on the real line“, *Extended Abstracts VIII Congresso SIMAI*, CD Rom, 4 pp., (2006)
- [18AC] **A.Aimi, A.Carini, M.Diligenti, A.Feriani, A.Salvadori:** “BEM simulations over unbounded domains“, *Atti XVII Congresso Nazionale AIMETA*, CD-rom, 10 pp., (2005)
- [17AC] **A.Aimi, M.Diligenti, F.Freddi:** “Softening cohesive interface problems: solution via Boundary Element Method“, *Poster, NAC 2005*, (2005)

- [16AC] **A.Aimi, M.Diligenti, A.Salvadori:** “Restriction Matrices and Panel Clustering Method for multi-domain SGBEM”, *Sommari VII Congresso SIMAI*, 1 p., (2004)
- [15AC] **A.Aimi, M.Diligenti, F.Freddi, F.Lunardini:** “Restriction Matrices and Domain Decomposition Method for SGBEM Applications”, *Atti XVI Congresso Nazionale AIMETA*, 1 p., (2003)
- [14AC] **A.Aimi, M.Diligenti:** “Groups Representation Theory and Restriction Matrices”, *Abstracts of Talks , ICCAM X* , 1 p., (2002)
- [13AC] **A.Aimi, M.Diligenti, F.Freddi, A.Salvadori:** “Restriction Matrices for SGBEM Application”, *Extended Abstracts IABEM 2002*, 12 pp., (2002)
- [12AC] **A.Aimi, M.Diligenti, F.Lunardini, A.Salvadori:** “Use of panel clustering method in numerical-analytical schemes for 3D SGBEM”, *Sommari VI Congresso Nazionale SIMAI*, 1 p., (2002)
- [11AC] **A.Aimi, M.Diligenti:** “Geometrical Symmetry in Symmetric Galerkin BEM”, in J.Levesley, I.Anderson, J.C.Mason (eds.): *Algorithms for Approximation IV* , The University of Huddersfield, 78-85, (2002)
- [10AC] **A.Aimi, M.Diligenti, F.Lunardini, A.Salvadori:** “A panel clustering algorithm for 3D SGBEM with analytical inner integrations in elasticity”, *Atti XV Congresso Nazionale AIMETA*, 2 pp., (2001)
- [9AC] **A.Aimi, M.Diligenti:** “Geometrical symmetry and restriction matrices”, *Atti XV Congresso Nazionale AIMETA*, CD-rom, 10 pp., (2001)
- [8AC] **A.Aimi, M.Diligenti:** “Geometrical Symmetry in Symmetric Galerkin BEM ”, *Proceedings of ALGORITHMS FOR APPROXIMATION IV* , University of Huddersfield, 19-20, (2001)
- [7AC] **A.Aimi, M.Diligenti:** “Numerical integration in 3D Galerkin BEM solution of HBIEs”, *Extended Abstracts IABEM 2000*, 5-8, (2000)
- [6AC] **A.Aimi, M.Diligenti:** “Hypersingular kernel integration in 3D Galerkin boundary element method”, *Sommari V Congresso Nazionale SIMAI*, 679-682, (2000)
- [5AC] **A.Aimi:** “Nuovi schemi di integrazione numerica per la risoluzione di equazioni integrali (iper)singolari con il metodo di Galerkin agli elementi di contorno”, *Sommari Convegno Nazionale di Analisi Numerica*, 11-12, (1998)
- [4AC] **A.Aimi, A.Carini, M.Diligenti, A.Salvadori:** “Some results on analytical and numerical integration in 3D Galerkin BEM solution of HBIEs”, *Proceedings of the IABEM International Symposium on Boundary Elements Methods*, 57-58, (1998)
- [3AC] **A.Aimi, A.Carini, M.Diligenti:** “Numerical integration schemes for evaluation of (hyper)singular integrals in 2D BEM”, in F.G.Benitez (ed.): *IABEM Workshop-Fundamental solutions in Boundary Elements: formulation and integration*, 185-204, (1997)

[2AC] **A.Aimi, A.Carini, M.Diligenti:** “Applications of the h-p version of symmetric boundary element method”, *Atti XII Congresso Nazionale AIMETA, Meccanica delle Strutture, Tomo 1*, 25-30, (1995)

[1AC] **A.Aimi, G. Di Cola, M.Diligenti:** “Analisi di due algoritmi per la risoluzione in parallelo di problemi ellittici al contorno”, *Sommari II Congresso Nazionale SIMAI*, 346-348, (1994)

#### Technical Reports:

[16RT] **A.Aimi, S.Panizzi:** "On the regularization of bilinear forms with hypersingular kernel", *Quaderni Dip. Mat. Univ. Parma*, n.506, 1-32, (2012)

[15RT] **A.Aimi, M.Diligenti, M.Manzi:** "Efficient generation of restriction matrices for exploiting partial or complete symmetries in 2D and 3D problems", *Quaderni Dip. Mat. Univ. Parma*, n.504, 1-30, (2011)

[14RT] **A.Aimi, M.Diligenti, C.Guardasoni:** "Numerical integration schemes for the Galerkin BEM related to wave propagation problems", *Quaderni Dip. Mat. Univ. Parma*, n.495, 1-34, (2009)

[13RT] **A.Aimi, M.Diligenti, C.Guardasoni, I.Mazzieri, S.Panizzi:** “An energy approach to space-time Galerkin BEM for wave propagation problems”, *Quaderni Dip. Mat. Univ. Parma*, n.487, 1-34, (2008)

[12RT] **A.Aimi, M.Diligenti, S.Panizzi:** “Weak and variational formulations for BIEs related to the wave equation”, *Quaderni Dip. Mat. Univ. Parma*, n.464, 1-19, (2007)

[11RT] **A.Aimi, M.Diligenti:** “One-dimensional wave propagation analysis in layered media by BEMs”, *Quaderni Dip. Mat. Univ. Parma*, n.462, 1-22, (2007)

[10RT] **A.Aimi, M.Diligenti:** “Numerical integration schemes for hypersingular integrals on the real line”, *Quaderni Dip. Mat. Univ. Parma*, n.439, 1-14, (2006)

[9RT] **A.Aimi, M.Anelli, M.Diligenti:** “ Formulazione del metodo di Galerkin simmetrico per equazioni integrali di contorno per problemi con interfaccia”, *Quaderni Dip. Mat. Univ. Parma*, n.416, 1-21, (2005)

[8RT] **A.Aimi, M.Diligenti, F.Lunardini:** “A symmetry adapted panel clustering technique for SGBEM”, *Quaderni Dip. Mat. Univ. Parma*, n.331, 1-27, (2003)

[7RT] **A.Aimi, F.Lunardini:** “Coupling panel clustering with inner analytical integrations in Galerkin BEM”, *Quaderni Dip. Mat. Univ. Parma*, n.275, 1-15, (2002)

[6RT] **A.Aimi, L.Bassotti, M.Diligenti:** “Gruppi di congruenze e matrici di restrizione”, *Quaderni Dip. Mat. Univ. Parma*, n.261, 1-20, (2001)

[5RT] **A.Aimi, L.Bassotti, M.Diligenti:** “Un metodo di decomposizione per sistemi finiti di funzioni invarianti rispetto ad un gruppo di congruenze”, *Quaderni Dip. Mat. Univ. Parma*, n.247, 1-18, (2000)

[4RT] **A.Aimi, M.Diligenti:** “Integral evaluation of (hyper)singular Galerkin type boundary element integrals for 3D problems”, *Quaderni Dip. Mat. Univ. Parma*, n.219, 1-30, (2000)

[3RT] **A.Aimi:** “Costruzione di sottospazi dello spazio di elementi finiti triangolari su poligoni regolari”, *Quaderni Dip. Mat. Univ. Parma*, n.136, 1-11, (1996)

[2RT] **G.Lupatini, A.Aimi:** “Un algoritmo parallelo per la generazione di quadtree relativi a figure piane”, *Atti Dip. Ing. Meccanica Univ. Brescia*, n.39, 1-21, (1994)

[1RT] **A.Aimi:** “Alcune applicazioni del sistema Express nella programmazione parallela su transputers”, *Atti Dip. Ing. Meccanica Univ. Brescia*, n.31, 1-52, (1993)

#### Curatele:

[2C] **A.Aimi, M.Diligenti:** Atti del Convegno “Integral Equations: recent numerical developments and new applications”, Dip. Mat., Univ. Parma, 29-30 Ottobre 2009, *Riv. Mat. Univ. Parma*, **2**, (2011)

[1C] **A.Aimi, M.Diligenti:** Atti del Convegno “Equazioni Integrali: recenti sviluppi numerici e nuove applicazioni”, Dip. Mat., Univ. Parma, 27-28 Settembre 2007, *Riv. Mat. Univ. Parma*, (7) **8**, (2008)

#### Thesis:

[2T] **A.Aimi:** “New numerical integration schemes for the solution of (hyper)singular integral equations with Galerkin BEM”, PhD Thesis, Univ. Milano, (1998)

[1T] **A.Aimi:** “Un’applicazione del metodo degli invarianti ortogonali all’operatore dell’elasticità in un rettangolo”, Degree Thesis, Univ. Parma, (1990)