

CURRICULUM VITAE

Category:

1. **Family name:** Bajić
2. **First names:** Darko
3. **Date of birth:** 09.01.1967.
4. **Nationality:** Montenegrin
5. **Civil status:** Married
6. **Contact details**

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Montenegro

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7. Education:

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
University of Montenegro, Podgorica Faculty of Metallurgy and Tehnology 2000 - 2003	Ph.D Technical Science Department of Physical metallurgy
University of Montenegro, Podgorica Faculty of Mechanical Engineering 1992-1997	M.Sc. of Mechanical Engineering
University of Montenegro, Podgorica Faculty of Mechanical Engineering 1986 - 1991	B.Sc. of Mechanical Engineering, Department of Production

8. Language skills: Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	4	4	4
Russian	1	1	1
Montenigrian- Serbian-Croatian- Bosnian	1	1	1

9. Membership of professional bodies:

Member of Society for Structural Integrity and Life, Serbia

Member of Serbian Society for Advancement of Welding

Member of editorial board Journal Welding&Welded Structures, Belgrad, Serbia

10. **Other skills:** (e.g. Computer literacy, etc.)

Excellent knowledge of current applications software, Computer Aided Design

11. **Present position:**

Teaching professor: Associate profesor

Undergraduate courses: Mechanical Engineering Materials, Engineering Design, Engineering Graphics and Documentation

Graduate courses: Pressure tanks and pipelines, Welding, Welded structures, Professional/lab practice

Postgraduate courses: Testing and Structural Control

Other activities

2007 - 2013

Vice Dean for Education, Faculty of Mechanical Engineering

2007 - 2016

Members of the Natural and technical sciences University of Montenegro

2010 -

Chairman of the Technical Committees ISME/TK 008: Pressure equipment, Institute for standardization of Montenegro

2012 - 2013

The head of the study program Mechanical engineering, Faculty of Mechanical Engineering

2011 - 2015

The head of the Postgraduate and Doctoral study, Faculty of Mechanical Engineering

2015-

Chairman of the commission for Doctoral study, Faculty of Mechanical Engineering

12. **Name of institution/firm/organization:**

University of Montenegro, Faculty of Mechanical Engineering, Podgorica

13. **Years within the institution/firm/organisation: 24 (twenty four)**

14. **Key qualifications:**

Research in the field of Technology Welding (new technology: ATIG, FSW, CGAEW, hybrid laser+arc), engineering materials ((non)destructive test, mechanical fracture).

Lecturing at the university level in the fields of Mechanical Engineering Materials, Pressure tanks and pipelines, Welding, Welded structures and Testing and Structural Control.

15. **Specific experience in the region:**

Date from - Date to	Location (Country)	Organisation/ Company	Position	Description of responsibilities and activities
2016 -2018	Slovenia	University of Maribor, Faculty of Mechanical Engineering	Project Manager	International Project TIG and plasma arc welding of high alloyed austenitic Cr-Ni steel and low alloy pearlitic class using activating fluxes
May 2013.	Hungary	TÜV Rheinland InterCert Kft.	Lecture by call	"Welding technology repair for medium pressure pipelines made of NIOVAL47"
2011 - 2014	Slovenia	University of Maribor, Faculty of Mechanical Engineering	Project Manager	International Project Fatigue behaviour of single pass joints made by ATIG welding
2011 - 2014	Bosnia and Hercegovina	University of "Džemal Bijedić", Mostar, Faculty of Mechanical Engineering	Project Manager	International Project Development and application of intelligent system in the welding process
2010 - 2012	Croatia	Mechanical Engineering Faculty, Josip Juraj Strossmayer University of Osijek	Project Manager	International Project Improvement of reliability in production and exploitation of welded construction and products
August 2011.	Serbia	Hydro-power plant "Bajina Bašta"	Project Manager Welding technology	ATIG technology for welding pipe (316L) for plumbing Vežanja for hydroelectric power station – pipe No50 (Np40)
2001 - 2010	Ukraine	E.O.PATON Electric Welding Institute at National Academy of Sciences of Ukraine	Doctoral and postdoctoral study	I reside few times in this Institute in period between 2001-2010. working on theoretical - experimental investigation of application modern arc welding tehnics
2010.	Serbia	Hydro-power plant "Bajina Bašta"	Project Manager Welding technology	ATIG technology for welding pipe (316L) hydroelectric power station – pipe Ø108 (81 bar)

Jul 2010.	Serbia	Ministry of Science and Technological Development of Serbia	Reviewer International Exper	Reviewer project TR34016, Ministry of Science and Technological Development of Serbia, a program of research in the field of technological development for the period 2011-2014 —
Since 2007.	Croatia	Mechanical Engineering Faculty, Josip Juraj Strossmayer University of Osijek	Member of Editorial Board	4 th (2007.), 5 th (2009.), 6 th (2011.) and i 7 th (2013.) International scientific-professional conference SBW - Slavonski Brod, Hrvatska
Oktober 2006.	Croatia	University of Mechanical Engineering in Slavonski Brod and Society for welding technique Slavonski Brod	Lecture by call	"Application of ATIG welding procedure in arc welding high and low alloy steel"
Since 2005.	Croatia		Reviewer	Journal Metalurgy, Croatia Journal Strojarstvo, Croatia Journal Technical Gazette, Croatia
March 2004.	Slovenia	Company "Montavar Metalna Nova" – Maribor	Lecture by call	"Application of ATIG welding procedure"
May 2004.	Italia	Company "GNB S.r.l" – Sirone	Lecture by call	"Application of ATIG welding procedure in energetics"
Jun 2004.	Serbia	Company Termoelektro-Belgrade	Lecture by call	"Application of ATIG welding procedure in energetics"
Jun 2004.	Çroatia	Croatian Chamber of the Economy, Part Chamber from Rijeka in shipbuilding Company "3.Maj" Rijeka	Lecture by call	"Possibility of application ATIG welding procedure in shipbuilding"

September 2002.	Bosnia and Hercegovina	Electrical industry of Republic Serbian – Bosnia and Hercegovina	Project Manager Welding technology	Elaborateness technology welding and sanation "of stick in" on chamber of boiler plant TE-Gacko 300MW
September 2002.	Bosnia and Hercegovina	Electrical industry of Republic Serbian – Bosnia and Hercegovina	Project Manager Welding technology	Elaborateness technology and Application of ATIG welding procedure in sanation of rotor on pump for seal genetator of TE-Gacko 300MW

16. Professional experience

Date from - Date to	Location (Country)	Organisation/ Company	Position	Description of responsibilities and activities
April 2017.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project Structural improvements of the beam support the hand chain hoists at the location of valve chambers "Krupac" in order to increase its allowed maximum load of 100 kN, in Hydro-power plant "Perućica"
April 2017.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project Development of repair welding technology supply pipelines aggregates A1, A2 and A3 in Hydro-power plant "Piva"
May – September 2016.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project Development of welding technology and production of pipelines of the cooling water system - Phase 5 in Hydro-power plant "Piva"
August 2016.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project Examining the state of material breeches pipe №3 in Hydro-power plant "Perućica"
August 2014.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project Examining the state of material breeches pipe №3 in Hydro-power plant "Perućica"
August 2013.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project Examining the state of material breeches pipe №3 in Hydro-power plant "Perućica"
September 2012. – February 2013.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project On-line for continual monitoring of metal pipe №3 in Hydro-power plant "Perućica"

August 2012.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project Examination Tee A6 3 th pipeline Hydro-power plant "Perućica"
August 2011.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project Examination Tee A6 3 th pipeline Hydro-power plant "Perućica"
May 2011.	Montenegro	Commercial Court in Podgorica	Project Manager	Expertise of polyester tank volume 10m ³ according to the request the Commercial Court in Podgorica
August 2011.	Montenegro	Elektroprivreda Crne Gore	Project Manager	Project On-line for continual monitoring of metal pipe №3 in Hydro-power plant "Perućica"
2008.	Montenegro	Ministry of Education and Science of Montenegro	Researcher	Project Research of interaction phenomena of phase of metal slag and its effect on weldability of dissimilar steels
2007.	Montenegro	Elektroprivreda Crne Gore	Researcher	Project Testing of the stress state at characteristic locations pipeline No.3 in Hydro-power plant "Perućica"
2007.	Montenegro	Elektroprivreda Crne Gore	Project Manager Welding technology	Project Sanation of dilation T-8 on pipe line number 3 in Hydro-power plant "Perućica" – prefabricated section 804
2005. – 2007.	Montenegro	Ministry of Education and Science of Montenegro	Researcher	Project Modeling processes of getting and control of marked electrodes for welding
2004.	Montenegro	Aluminium Plant Podgorica	Researcher	Project Expert opinion of damage on autoklav Ra15 in Company Aluminium Plant – KAP

17. Other relevant information:

In space of science-technical communication University of Montenegro and E.O.PATON Electric Welding Institute at National Academy of Sciences of Ukraine, Kiev, I reside few times in this Institute in period between 2001-2010. working on theoretical - experimental investigation of application modern arc welding techniques.

I got a scholarship for postdoctoral studies and research stay through the **National Excellence Scholarship Program** with the project HERIC – host institution Southern Methodist University, Research Center for Advanced Manufacturing in Dallas, USA.

Until now I publish many works in International and domestic Journals, International and domestic conference, monographs, university books I would specially separate next:

Monograph

1. Milosavljević A., Petronic S., Polić-Radovanović S., **Bajić D.**, Dinulović M., Bekrić D. (2012): *Welding and surface treatment of heatresistant materials*, Faculty of Mechanical Engineering, University of Belgrade, Belgrad, Serbia, ISBN 978-86-7083-768-3, COBISS.SR-ID 195568652
2. Karabegović I., Pašić S., **Bajić D.**, at all (2013): *Nove tehnologije u procesima zavarivanja – razvoj i primjena (New technologies in welding processes - development and implementation)*, Faculty of Mechanical Engineering, University of "Džemal Bijedić", Mostar, Bosnia and Hecegovina, ISBN 978-9958-058-00-4, COBISS.BH-ID 20775942.

Publish in International Journals from the SCI index

1. Savytsky O., Savytsky M., Shkrabalyuk Y., Vuherer T. and **Bajic D.**, (2016.): *The influence of electric arc activation on the speed of heating and the structure of metal in welds*, THERMAL SCIENCE, Vol. 20, No. 1, pp. 239-246. DOI: 10.2298/TSCI140530125S. ISSN 2334-7163, ISSN 0354-9836 (printed edition).
2. Savytsky O., Savytsky M., **Bajic D.**, Shkrabaly Y. (2014): *Influence of the impurities on the depth of penetration with carbon steel weldings*, METALURGY, Vol. 54, No. 2, pp. 167-170. UDC – UDK 669.182:621.791.052=111. ISSN 0543-5846.
3. Bajić N., **Bajić D.**, Veljić D., Rakin M., Janjušević Z. (2014): *The advantages of using activated flux-cored wire compared to solid wire in the MAG welding process from the aspect of metallurgical characteristics*, METALURGY, Vol. 53, No. 3, pp. 167-170. UDC – UDK 621.791.052:621.778:620.18=111. ISSN 0543-5846.
4. Veljić D., Sedmak A., Rakin M., Bajić N., Međo B., **Bajić D.**, Grabulov V. (2013): *Experimental and numerical thermo-mechanical analysis of friction stir welding of high-strength aluminium alloy*, THERMAL SCIENCE, Vol. 17, Suppl. 1, pp. S28-S37. DOI: 10.2298/TSCI130512171V. ISSN 2334-7163, ISSN 0354-9836 (printed edition).
5. Bajić N., **Bajić D.**, Veljić D., Rakin M. (2013): *Advantage of use of activated flux-cored wire instead of solid wire with the MAG welding process from the mechanical properties aspect*, METALURGY, Vol. 52, No. 4, pp. 453-456. UDC – UDK 621.791.052:621-426:536.1=111. ISSN 0543-5846.
6. **Bajic D.**, Kuzmenko G.V., Samardzic I. (2013): *Welding of rails with new technology of arc welding*, METALURGY, Vol. 52, No. 3, pp. 399-402. UDC-UDK625.143:691.791.052:620.17=111. ISSN 0543-5846.
7. Veljić D., Perović M., Sedmak A., Rakin M., Trifunović M., Bajić N. and **Bajić D.** (2012): *A coupled thermo-mechanical model of Friction Stir Welding*, THERMAL SCIENCE, Vol. 16, No. 2, pp. 527-534. DOI:102298/TSCI110729012V. ISSN 2334-7163, ISSN 0354-9836 (printed edition).
8. Milosavljevic A., Petronic S., Polic-Radovanovic S., Babic J., **Bajic D.** (2012): *The Influence of the Heat-Treatment regime on a fracture surface of nickel- based superalloys*, MATERIALS AND TECHNOLOGY, Vol. 46, No. 4, pp. 411–417. UDK 669.245:621.785. ISSN 1580-2949.
9. Samardžić I., **Bajić D.**, Klarić Š. (2010): *Influence of the activating flux on weld joint properties at arc stud welding proces*, METALLURGY, Vol. 49, No. 4, pp. 325-329. ISSN 0543-5846.

Publish in International Journals

1. Vuherer T., Zrilić M., Samardžić I., **Bajić D.**, Manjgo M., (2016): *Suitability of residual stress measurement methods in practice*, Varilna tehnika, Vol. 64, №. 2, pp. 9-14, DOI: 10.13140/RG.2.2.17112.29445. ISSN 2463-9214.
2. Gliha V., **Bajić D.**, Vuherer T. (2016): *Applicability assessment of welded pipe with defects at the weld root*, Varilna tehnika, Vol. 64, №. 1, pp. 17-27, ISSN 2463-9214.
3. Sedmak S., Arsić M., **Bajić D.**, Mladenović M., Savić Z. (2015): *Analysis of causes of degradation of parent material of breeches pipe at hydro power plant „Perućica“*, Structural integrity and Life, Vol. 15, №. 3, pp. 143-151. ISSN 1451-3749.
4. Despotović B., Marsenić T., **Bajić D.**, Vuherer T., Samardžić I. (2014): *Weldability of modern 9-12 Cr martensitic steels for steamboiler components*, Welding & Welded Structures, Vol. 58, № 1, pp. 5-14, ISSN 0354-7965.
5. Savicky A. M., **Bajić D.**, Savicky M. M., Vashchenko V. N., Lupan A. F., Skrabaliuk Ju. M. (2010): *Orbital welding technology of pipeline application of activating flux*, Welding & Welded Structures, Vol. 55, № 3, pp. 83-90, ISSN 0354-7965.
6. Максимов С.Ю., Бут В.С., Олейник О.И., **Bajić D.** (2010): *Welding and metal cutting with underwater technology*, Welding & Welded Structures, Vol. 55, №3, pp. 101-105, ISSN 0354-7965.
7. Blečić Ž., Strugar K., Golovko V. V., **Bajić D.** (2007): *Ductility characteristics of the HAZ at submerger arc welding with pulsed arc*, Welding & Welded Structures, Vol. 52, № 3, pp. 83-90, ISSN 0354-7965.
8. **Bajić D.**, Savitsky M.M., Blečić Ž. (2006): *Free contraction influence on ductility of high-alloyed steel 12X18H10T welded joints*, Welding & Welded Structures, Vol. 51, № 4, pp. 141-146, ISSN 0354-7965.
9. Савицкий М.М., Савицкий А.М., **Bajić D.**, Blečić Ž. (2004): *MIG welding technology using activating fluxes*, Welding & Welded Structures, Vol. 49, № 1, pp. 10-14, ISSN 0354-7965.
10. **Bajić D.** (2004): *Methods of oxide removing at welding of aluminium and its alloys*, Welding & Welded Structures", Vol. 49, № 1, pp. 17-20, ISSN 0354-7965.
11. Savitsky A.M., Savitsky M.M., Novikova D.P., **Bajić D.** (2004): *Structure formation during the thermal cycling of the arc welded steel joints*, Welding & Welded Structures, Vol. 49, № 4, pp. 171-177, ISSN 0354-7965.
12. **Bajić D.**, Мельничук Г.М., Лупан А.Ф., Савицкий М.М., Blečić Ž. (2003): *ATIG welding of steel type 18.10*, Welding & Welded Structures, Vol. 48, № 1, pp. 9-13, ISSN 0354-7965.
13. **Bajic D.R.**, Savitsky M.M., Melnichuck G.M., Lupan A.F. (2002): *A-TIG welding of structural steels for power engineering applications*, The Paton Welding Journal, № 9, pp. 30-34, ISSN 0957-798X.
14. **Bajic D.R.**, Melnichuck G.M., Lupan A.F., Savitsky M.M. (2002): *Procedure and parameters of A-TIG welding of structural steels*, The Paton Welding Journal, № 10, pp. 31-34, ISSN 0957-798X.
15. **Bajić D.**, Савицкий М.М., Blečić Ž. (2001): *Preferences welding of steel A-TIG method*, Welding & Welded Structures, Vol. 46, № 4, pp. 149-154. ISSN 0354-7965.

Publish in International conference

1. Perović M., Vuherer T., **Bajić D.** (2017): *Uticaj broja obrtj alata i brzine zavarivanja na mehaničke karakteristike sučeonog zavarenog spoja legure Al-Zn-Mg-Cu postupkom trenjem sa miješanjem*, Zbornik dneva varilne tehnike 2017, Celje 5. april 2007, pp. 102-107. ISBN 978-961-94199-0-8.

2. **Bajić D.**, Čulafić S. (2017): *Comparison of numerical and experimental results of stress-deformation state in a pipeline branch*, XIVth International Congress MACHINES. TECHNOLOGIES. MATERIALS'17, Borovetz, Bulgaria, 15.03. – 18.03.2017, pp. 29-32. ISSN 2535-0021.
3. Mladenović M., Arsić M., **Bajić D.**, Miković R., Savić Z. (2016): *State analysis of the upper ping of guide vane apparatus at gydro power plant Djerdap 1 carried out on the basis of non destructive test*, „IBR 2016“, SDIBR, Serbia, Subotica 05-07. oktobra 2016, pp. 51-56.
4. Savytsky O.M., Savytsky M.M., **Bajić R.D.** (2016): *MIG/MAG welding with activation flux*, „Zavarivanje 2016“, DUZ Srbije, Srebrno jezero 14.-17. septembar 2016. godine, pp. 82-90. ISBN 978-86-82585-12-1.
5. Savitskyi O.M., Savitskyi M.M., Vashchenko V.M., **Bajić R.D.** (2015): *Improvement of welded pipelines*, 2th International Conference, MODERN METHODS OF TESTING AND EVALUATION IN SCIENCE, Beograd, 14.12.2015, pp. 36-42. ISBN 978-86-918415-1-5.
6. Maneski T., **Bajić D.**, Momčilović N., Mitrović N., Milošević M., Petrović A. and Balać M. (2015): *Analysis of the strees field in a model of pipe branches*, 7th International Scientific and Expert Conference TEAM 2015, Technique, Education, Agriculture & Management, Belgrade, Serbia, October 15-16, 2015, pp. 402-405. ISBN 978-86-7083-877-2.
7. **Bajić D.**, Miljanić S. (2015): *FSW Welding aluminium alloys 5086*, 8th International Symposium SB 2015, "Design, Production and Service of Welded Constructions and products", Slavonski Brod, Hrvatska, 21.- 23.10.2015, pp. 14-22. ISBN 978-953-6048-80-9.
8. Vuherer T., Dunđer M., **Bajić D.**, Samardžić I. (2015): *Influence of post weld heat treatment on the HAZ impact toughness on P91 steel*, 8th International Symposium SB 2015, "Design, Production and Service of Welded Constructions and products", Slavonski Brod, Republika Hrvatska, 21.-23. 10. 2015, pp. 251-259. ISBN: 978-953-6048-80-9.
9. Sedmak A., Petrovski B., Gubeljak N., Legat J., Samardžić I., Kozak D., Kuzmanović S., Adžiev T., Adžiev G., Čulafić V., **Bajić D.**, Read D. (2015): *Weldment fracture mechanics*, The 3rd IIW South-East European Welding Congress, "Welding and joining technologies for a sustainable development and environment", Timisoara, Romania, June 03-05, 2015, str. 49-60. ISBN 978-606-554-995-5.
10. Čulafić S., **Bajić D.**, Maneski T. (2015): *Numerical model of the branch in a pipeline at HP Perucica*, 2th International conference "NEW TECHNOLOGY" development and application, "NT-2015", Mostar, Bosna i Hercegovina, 24.-25. april 2015, pp. 227-232. ISSN 2303-5668.
11. **Bajić D.**, Vuherer T., Đorđević M., Čulafić S. (2014): *The application of activating fluxes in the manufacture of medium pressure pipelines*, Programme and The Book of Abstracts. 22nd International Conference on Materials and Technology, Portorož, Slovenia, 20-22. October 2014, pp. 40/263. ISBN 978-961-92518-7-4.
12. Miljanić S., **Bajić D.**, Perović M. (2014): *Tool shape impact on quality of welding FSW joint of aluminium 5083*, 8th International Conference ICQME2014 (Quality, Managament, Environment, Education, Engineering), Tivat, 24th-26th September 2014, pp. 27-34. ISBN 978-9940-527-39-6.
13. **Bajić D.**, Miljanić S., Vuherer T. (2014): *Uticaj oblik alata na žilavost zavarenih fsw spojeva aluminijuma 5086*, Dan varilne tehnike – Automatizacija in robotizacija v varilni tehniki, 2014, 11. September 2014, Novo Mesto, Slovenia, pp. 165-170, ISBN 978-961-6496-32-2.
14. Vuherer T., Fekonja L., **Bajić D.**, Dunđer M., Burzić Z., Gotlih K. (2014): *Vpliv prenizke toplotne obdelave po varjenju na žilavost TVP pri jeklu P91/T91*, Dan varilne tehnike – Automatizacija in robotizacija v varilni tehniki, 2014, 11. September 2014, Novo Mesto, Slovenia, pp.113-122, ISBN 978-961-6496-32-2.

15. **Bajić D.**, Šarančić D., Mladenović M., Čulafić S. (2014): *State of materials and repation of crack on the pipeline bifurcation made of NIOVAL47*, Zavarivanje 2014, DUZ Srbije, Borsko jezero 3.-7. juna 2014. godine. ISBN 978-86-82585-11-4.
16. **Bajic D.** (2014): *Welding of rails and profiles with large cross-section area using CGEAW technology*, 1st International conference „NEW TECHNOLOGY“ development and application „NT-2014“, 25. april 2014, Mostar, Bosna i Hercegovina, pp. 63-72. ISSN 2303-5668.
17. Polajner I., **Bajic D.**, Vojić S. (2014): *Advanced joining processes in mass production*, 1st International conference „NEW TECHNOLOGY“ development and application „NT-2014“, 25. april 2014, Mostar, Bosna i Hercegovina, pp. 39-50. ISSN 2303-5668.
18. **Bajić D.**, Đorđević M., Đorđević V., Miljatović M., Zeljko G. (2013): *Testing autoclave shell for production of water glass using metal magnetic memory method*, 7th International Symposium SB 2013, "Modern Manufacturing Processes, equipment and materials for welded structures and products", Slavonski Brod, Republika Hrvatska 23-25.10.2013, pp. 83-90. ISBN 978-953-6048-72-4.
19. **Bajić D.**, Vuherer T., Đorđević M., Gliha V. (2013): *Primjena topitelja pri izradi cjevovoda srednjeg pritiska*, Dan varilne tehnike, industrijske robotike in transporta v industriji 2013, 30.05.2013, Lendava, Slovenia, pp. 111-116, ISBN 978-961-248-393-7, COBISS.SI-ID 74604033.
20. Gliha V., **Bajić D.**, Vuherer T. (2013): *Ocena trajnosti zvarjene cevi z neprevarjenim korenom*, Dan varilne tehnike, industrijske robotike in transporta v industriji 2013, 30.05.2013, Lendava, Slovenia, pp. 98-110, ISBN 978-961-248-393-7, COBISS.SI-ID 74604033.
21. **Bajic D.** (2013): *Welding technology repair for medium pressure pipelines made of Nioval47*, XVII. Plant Engineering - Conference May 15-16th, 2013., Balatonfüred, Hungary.
22. Milosavljević A., Petronić S., Polić-Radovanović S., Nedeljković S., Perović M., **Bajić D.** (2012): *Microstructural change in nickel and cobalt base superalloys after thermomechanical treatments applied*, Materials Research Society of Serbia, Conference "YUCOMAT 2012", Herceg Novi, September 3-7, 2012, P.S.B.35, pp. 95/126.
23. Samardžić I., Despotović B., **Bajić D.** (2012): *Weldability of modern low alloyed steels for elevated temperature application in steamboiler components production*, METALURGY, Vol. 51, № 3, pp. 404-404. ISSN 0543-5846.
24. Despotović B., **Bajić D.**, Samardžić I., Čikić A. (2012): *Accelerated weldability investigations of modern high alloyed martensitic steels for ateam boiler components application*, METALURGY, Vol. 51, № 3, pp. 404-405. ISSN 0543-5846.
25. Dunđer M., **Bajić D.**, Samardžić I., Horvat M. (2012): *Weld thermal cycle simulation of HSS S960QL*, METALURGY, Vol. 51, № 3, pp. 405-405. ISSN 0543-5846.
26. **Bajić D.**, Samardžić I., Kladarić I., Klarić Š. (2012): *Activating flux application at stud arc welding in bridge constructions production*, METALURGY, Vol. 51, № 3, pp. 405-405. ISSN 0543-5846.
27. Samardžić I., Dunđer M., **Bajić D.** (2012): *Monitoring and processing of welding process parameters*, EUROJOIN 8, 8th European Conference – Pula, Croatia, May 24th - 26th 2012, pp 381-391.
28. Veljić D., Rakin M., Perović M., Medjo B., Sedmak A., **Bajić D.**: *Friction stir welding of aluminum alloy 2024 - numerical modeling*, EUROJOIN 8, 8th European Conference – Pula, Croatia, May 24th - 26th 2012, pp. 435-445.
29. Vuherer T., Zrilić M., **Bajić D.**, Gliha V. (2012): *Uporabnost metode vrtanja izvrtine za merjenje zaostalih nepetosti na varjenih konstrukcijah na terenu*, Proceedings Day of welding 2012, STANJE IN TRENDI RAZVOJA V VARILNI TEHNIKI, Celje, 17. maj 2012, 69-74.
30. **Bajić D.**, Đorđević M. (2011): *Making pipe No100 (Np81) for the purposes reversible hydro power plant Bajina Bašta*, 6th International scientific-professional conference SB 2011 "Modern technologies

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Member of the scientific committee of international conference:

- Chairman 14th International Conference on Fracture and Damage Mechanics - Budva 2015.
- PLIN2014, 12th Natural Gas, Heat and Water Conference and 5th International Natural Gas, Heat and Water Conference – Hrvatska, Osijek 2014.
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