Tudományos önéletrajz

Dr. Mester Gyula

Név: Mester Gyula
Születés ideje: 1945. június 10.
Születési hely: Torontálvásárhely (Debeljača, Jugoszlávia)
Nemzetiség: magyar

Egyetemi tanulmányait a Belgrádi Tudományegyetem, Gépészeti Karán fejezte be 1970-ben, oklevél száma: 2831.

Mester Gyula, okleveles gépészmérnök, posztgraduális tanulmányait a Belgrádi Tudományegyetem, Természettudományi Karán folytatta, ahol 1975. június 21-én a magiszteri munka megvédése után a:

mechanikai tudományok magisztere

fokozatot szerezte meg, oklevélszáma:466/2.

Az Újvidéki Egyetem, **Műszaki Tudományok Karán**, 1977. június 24-én a **doktori disszertáció** megvédése után a:

műszaki tudományok doktora

tudományos fokozatot szerezte meg, oklevélszáma: 834.

Az Oktatási Minisztérium Magyar Ekvivalencia és Információs Központja, MEIK-589-1/2001-es számú (2001.03.30) határozata szerint Mester Gyula Magyarországon doktori címét a következő formában használhatja:

Műszaki tudományok doktora (Újvidéki Tudományegyetem, Jugoszlávia).

A honosítási határozatot:
- Doktor (PhD),
- műszaki tudományok tudományterülete,
- gépészeti tudományok tudományág, 28/2005,

a Budapesti Műszaki és Gazdaságtudományi Egyetem, Egyetemi doktori tanácsa 2005. május 27-én hozta, az Újvidéki Tudományegyetem által műszaki tudományok tudományterületén, 1977-ben kibocsátott 834-es számú doktori oklevele alapján.

1977-ben az Újvidéki Műszaki Főiskolán, 1978-ban a Szabadkai Műszaki Főiskolán:

főiskolai tanárnak

nevezték ki.

Dr. Mester Gyulát az **Újvidéki Tudományegyetemen** 1978-ban:

egyetemi docensnek,

majd 1983-ban:

rendkivüli egyetemi tanárnak

és 1988-ban

rendes egyetemi tanárnak

nevezték ki.

Dr. Mester Gyula jelenleg érvényes kinevezései:

Magyarországon:
- főiskolai tanár, 2004 időponttól,
- **tudományos főmunkatárs**, 2012 időponttól.
- 2013. november 27-től a **Magyar Mérnökakadémia rendes tagja**.

Szerbiában:
- **egyetemi tanár**, 1988 időponttól.

Munkahelyek:

Szabadkai Műszaki Főiskola

- 1974-2011, főiskolai tanársegéd, előadó, főiskolai tanár,
- 2000-től az Informatikai Intézet vezetője,
- 2003-2011 között az Informatikai Tanszék vezetője.

Oktatott tantárgyak:

- mechanika,
- mehanika (szerb és horvát nyelven),
- internet technológiák,
- internet tehnologije (szerb és horvát nyelven),
- multimédia rendszerek,
- multimedijski sistemi (szerb és horvát nyelven),
- intelligens rendszerek,
- inteligentni sistemi (szerb és horvát nyelven),
- intelligens irányító rendszerek,
- inteligentni upravljački sistemi (szerb és horvát nyelven),
- bevezetés a robotikába,
- osnovi robotike (szerb és horvát nyelven),
- robotika,
- robotika (szerb és horvát nyelven).

Újvidéki Tudományegyetem

- 1979-2004, egyetemi docens, egyetemi tanár, oktatott tantárgyak:

Építőmérnöki Kar, Szabadka:

- mechanika,

Müszaki Kar „Mihajlo Pupin”, Nagybecskerek:

robotika (szerb és horvát nyelven).

Dunaújvárosi Főiskola:

2004-2005, főiskolai tanár, az Általános Informatikai Tanszék vezetője, oktatott tantárgy:

- informatika alapjai,

Szegedi Tudományegyetem

Szegedi Élelmiszeripari Főiskolai Kar:

- 2000-2005, elsőként bevezetett és oktatott tantárgyak:
- robotika,
- intelligens rendszerek,
- web alkalmazásfejlesztés

Természettudományi Informatikai Kar:

- 2005-2011, elsőként bevezetett és oktatott tantárgyak:
- robotika,
- intelligens rendszerek,
- mechatronika.

Mérnöki Kar:

- 2012.-, elsőként bevezetett és oktatott tantárgyak:
- válogatott fejezetek robotikából,
- intelligens robotok.

1976-ban a Szabadkai Műszaki Főiskolán bevezette a:

magyar nyelvű gépész- és villamos mérnökképzést.

Az 1983-1988 közötti időszakban a Szabadkai Műszaki Főiskola:

Automatika Kutatóintézetének

vezetője.

Az 1988-2001 közötti időszakban, a Szabadkai Műszaki Főiskola **főigazgatója**, ebben az időszakban a:

Szabadkai Műszaki Főiskola, Jugoszlávia legjobb főiskolájának számított.

Ma, a legújabb (2014. július):

Webometrics

elnevezésű, felsőoktatási világranglista szerint, a Szabadkai Műszaki Szakfőiskola, elsősorban a fiatal generáció tudományos teljesítményének köszönhetően, Szerbia legjobban rangsorolt szakfőiskolája, a szerbiai felsőoktatási rangsorban:

12-ik

pozíción található. A ranglista megtekintető a következő web címen:

http://www.webometrics.info/en/Europe/Serbia.

1997-2000 között a szabadkai:

„**Neuro-Fuzzy-Genetic Intelligent Control Research Center**”,

Európában regisztrált, **ERUDIT** tag, vezetője.

2010-től a Szegedi Tudományegyetemen,

„**European Robotics Research Network**”

rendszerébe tartozó:

Laboratory of Robotics

koordinátora.

1996-ban internet kapcsolatot létesített a Szabadkai Műszaki Főiskolán, 1997-ben beindította a Főiskolán a mérnök informatikusképzést (szerb és magyar nyelven). A Szabadkai felsőoktatási testület alelnöki tisztségét töltötte be.

1978 - 1982 között Az Újvidéki Egyetem, Müszaki Karának, gépészmérnőki szakán, a Főiskolán kihelyezett tagozatát vezette (a 3-ik évfolyamra beiratkozott (Főiskolát végzett) hallgatók közül 40 hallgató szerzett oklevelet (okleveles gépészmérnök).

A Szabadkai Műszaki Főiskolán/Szakfőiskolán 2000-től az Informatikai Intézetet, majd 2004-től 2011-ig, mint tanszékvezető, az Informatikai Tanszéket vezette.

Nyelvismerete:

- angol középfokú, 1991 Oxford (St. Joseph’s Hall),
- német középfokú,
- szerb és horvát felsőfokú.

Külföldi tanulmányutak:

- Németország, Aachen University, 1986, 30 nap.
- Anglia, University of Salford, 1992, 30 nap.
- University of Maribor, 2005, Szlovénia, 2 hét.
- Németország, University of Ilmenau, 2005, 2 hét.

Vendégkutatói meghívásai:

- október, 2009, University of Applied Sciences, Berlin, Németország.
- december, 2009, Institute Joze Stefan, Ljubljana, Szlovénia.
- március, 2010 Belgrádi Tudományegyetem, Szerbia.
- április 2010, Újvidéki Tudományegyetem, Szerbia.

Kitüntetés, szakmai elismerés:

- Jugoszláv informatikai szakértő.

- Bánki Donát/Budapesti Műszaki Föiskola: címzetes főiskolai tanár, 1999-.

- Életrajza megjelent a Marquis „Who'sWho in the World" 1997 kiadványban.

- Az UNESCO-t képviseli Svájcban, Lausanne, 18th International Symposium on Industrial Robots, 1988.

DAAD Mechatronics, Németország, University of Ilmenau, 2003-2005

- Mint bíráló, a műszaki és informatikai tudományok területén a Szerb Akkreditációs Bizottság tagja, 2006-.

- Az American Biographical Institute részéről elnyerte az, Év embere 1997'' (Man of the Year 1997) és az „Év embere 2011'' (Man of the Year 2011) címeket.

- 2009-től a Belgrádi Egyetem 'Institute Mihajlo Pupin' kutatóintézetének kutatóprofesszora, http://www.pupin.rs/RnDProfile/people.html

- 2009 Annual Award – éves dij nanorobotok témakörből, a XII-ik ICDQM – 2009 nemzetközi konferencián, Belgrád 2009 június 25-26.

- 2013. november 27-től a Magyar Mérnökakadémia rendes tagja.

Dr. Mester Gyula 1975 óta foglalkozik tudományos kutatómunkával. Tudománymetriai adatai a következők:

248 tudományos közleményt jelentett meg,

publikációira **502** közleményben hivatkoztak,

h indexe: **12**,

g indexe: **13**,

i10 indexe=**13**.

Tudománymetriai adatai alapján (tudományos közlemények száma, idézetei száma, h index, g index és i10 index) Dr. Mester Gyula Szerbia legjobb 5 robotikusa közzé tartozik.

2009-2013 között **négy Springer könyvben** írt könyvfejezetet.

Tudományos közleményeit és hivatkozásait felvitte a Magyar Tudományos Művek Tárába.

Kutatási témakörei:

- Rugalmas csuklójú merev szegmensű ipari robotok.
- Kereken gördülő intelligens autonóm mobil robotok.
- Humanoid robotok.
- Robotszerű helikopterek,
- Mikro- és nanorobotok.
- Adaptív irányítások.
- Fuzzy rendszerek.

- Neurális hálózatok.
- Genetikus algoritmusok.
- Intelligens rendszerek.

Dr. Mester Gyula szerepvállalása **doktori iskolák működtetésében, doktorképzésben**:

1. Szegedi Tudományegyetem, Informatika Doktori Iskola

PhD hallgatói: Szépe Tamás, 2008-2011, abszolvált: 2011. Pintér Róbert, 2007-2009.

Posztdoktor kutatója:

Prof. Dr. Sci. Samy Farid Mohamed Assal, 2010-2011, 2006-ban Japánban doktorált robotika témakörből és az egyiptomi Tanta Egyetemen (Aleksandria) dolgozik.

Tárgyelőadó négy tárgyban. **Doktori kurzusai**:

1. Kerekeken gördülő mobil robotok.
2. Humanoid robotok.
3. Vízi robotok.
4. Mikro- és nanorobotok.

Három doktori témában témavezető:

1.Kerekeken gördülő mobil robotok ütközésmentes irányítása ismeretlen változó környezetben.
2. Humanoid robotok ütközésmentes irányítása ismeretlen változó környezetben.
3. Robotszerű helikopter irányítása.
4. Négy rotoros autonóm robothelikopter modellje, ütközésmentes navigációja, pályatervezése és irányítása.

2. Óbudai Egyetem, Biztonságtudományi Doktori Iskola

Tárgyelőadó két tárgyban. **Doktori kurzusai**:

- Intelligens robotok,
- Autonóm robothelikopterek ütközésmentes irányítása.

Egy doktori témában témavezető:

1. Négy rotoros autonóm robothelikopter modellje, ütközésmentes navigációja, pályatervezése és irányítása.

Részvétel doktori bizottságokban:

1. Zrínyi Miklós Nemzetvédelmi Egyetem, Katonai Műszaki Doktori Iskola, Budapest, 2009.
Kucsera Péter, 'Autonóm működésű szárazföldi robotok védelmi célú alkalmazása', PhD értekezés, bíráló bizottsági tag.

2. Újvidéki Tudományegyetem, 2011.
Piroska Stanić Molcer, 'Integrated Component of Digital Signal Processing Education System inplemented in Network Environment', 'Integrisana komponenta sistema učenja digitalne obrade signala implementirana u mrežnom okruženju', PhD értekezés, bíráló bizottsági tag.

3. Anna University-Chennai, Tamilnadu, India, 2014.
S. Albert Alexander, "Certain Investigations on Power Quality Improvement Techniques for a Solar Fed Cascaded Multilevel Inverter", PhD Thesis, for thwe award of PhD Degree, external examiner.

4. Anna University-Chennai, Tamilnadu, India, 2013.
A, Satheesh "Certain Investigations on Power System Voltaage Stability and Power Loss Minimization Employing Intellignet Techniques and Facts Controllers". PhD Thesis, for thwe award of PhD Degree, external examiner.

5. Anna University, Chennai, Tamil Nadu, India, 2013.
„Intelligent Control of Robot Manipulators Using Soft Computing Techniques”
V. Chandrasekaran, PhD Thesis, for thwe award of PhD Degree, external examiner.

6. Anna University, Chennai, Tamil Nadu, India, 2013.
E. Mariappane, “Application of Bacteria Foraging Algorithm for Power System Problems”, PhD Thesis, for thwe award of PhD Degree, external examiner.

7. Anna University, Chennai, Tamil Nadu, India, 2013.
S. Rajan, „Stability and Stabilization of Linear Time Invariant System Using Marden Table”, PhD Thesis, for thwe award of PhD Degree, external examiner.

8. ‚Department of Electrical and Electronics Engineering at P.A. College of Engineering and Technology, India, 2012.
M. Sathiskumar, „Radial Distribution Network Reconfiguration and Phase Balancing Through Hybrid Heuristic Techniques”, PhD Thesis, for thwe award of PhD Degree, external examiner.

9. Department of Electrical Engineering, Annamalai University, India, 2011.
R. K. Shanthi, ’Soft Computing Techniques Applied to Power System Economics’, PhD Thesis, for thwe award of PhD Degree, external examiner.

10. Department of Electrical and Electronics Engineering, Info Institute of Engineering, Coimbatore, India. India, 2009.
S. Thiruvenkadam, ’Web Application for Radial Distribution Network Reconfiguration Through Hybrid Heuristic Techniques’, PhD Thesis, for thwe award of PhD Degree, external examiner.

11. Department of Electronics and Computer Engineering, Indian Institute of Technology Roorke, India, 2009.
Srinivasan A.,’Intelligent Control of Robot Manipulators Using Soft Computing Techniques’, PhD Thesis, for thwe award of PhD Degree, external examiner.

Dr. Mester Gyula összesen 35 tudományos projektben vett részt, mint projektvezető, témavezető vagy kutató.

Projektvezető:

1. "Istraživanje i razvoj optimalnog reda elektromehaničkih prenosnika na bazi komponovanja zajedničkih elemenata", SZNRV, 1981-85. god.

2. "Istraživanje kompleksnog ispitivanja kvaliteta elektromehaničkih prenosnika",1986-1987. god.

3. "Istraživanje vibracija i šumnosti elektromotora srednjih i velikih snaga", 1987-1988. god.

4. "Istraživanje i razvoj sistema savremenih elektromehaničkih prenosnika", 1986-1990. god.

5. "Istraživanje i razvoj savremenih pogonskih sistema", 1991-.1993.god.

6. “Nova metodologija proračuna, projektovanja i optimizacije jednofaznih kaveznih asinhronih motora za regulisane elektromotorne pogone”, 1993-2000. god.

7. „Intelligens rendszerek fuzzy modellezése és irányítása”, MTA, Arany János Közalapítvány, Budapest, 2001.

8. Internet technológiák, MTA, Arany János Közalapítvány, Budapest, 2002.

Témavezető/kutató:

1. „Matematičke strukture, modeli i njihova primena”, SzNR Srbije, 1975 – 1980.

2. "Izbor optimalne varijante hidrauličnog servosistema u okviru primene u mašinogradnji", SzNRV,1979-1980. god.

3. “Neki problemi oscilacija zupčastih prenosnika sa elektromotornim pogonom", SzNRV, 1979-1980. god.

4. "Izbor optimalne varijante hidrauličnog servosistema u alternaciji sa volumetrijskom regulacijom frekvencije izvršnog organa”, SzNRV, 1980-1981. god.

5. "Istraživanje algoritma upravljanja sistema sa vremenski promenljivim parametrima primenom hibridnog računara.", SzNRV, 1979-1981. god.

6. "Istraživanje uticaja neuravnoteženosti rotora elektromotora na vibracije elektromehaničkih prenosnika u nekim uslovima eksploatacije", SzNRV, 1980-1981. god.

7. "Istraživanje u oblasti projektovanja elektromehaničkih prenosnika pri uticaju prinudnih nelinearnih parametarskih oscilacija", SzNRV,1980-1981. god.

8. "Istraživanje algoritma upravljanja sistema sa vremenski promenljivim parametrima primenom hibridnog računara", 1980-1981. god.

9. Mehanički sistemi i njihova primena, Matematički Institut, Beograd, 1981-1982.

10. "Istraživanje uticaja najnepovoljnijih vidova opterećenja od gonjene mašine na naprezanje prenosnih elemenata elektromehaničkih prenosnika", SzNRV, 1981-1982. god.

11. "Istraživanje u oblasti projektovanja dinamičko opterećenih temelja elektromehaničkih prenosnika", SzNRV,1981-1985. god.

12. „Istraživanje u oblasti bezbednosti saobracaja – uzroci stradanja pešaka i biciklista u SAP Vojvodini”, SzNRV, 1981-1985. god.

13. "Istraživanje uticaja mehaničkih spojnica na pogonski sistem", 1986-1988. god.

14. "Digitalna simulacija sopstvenih vrednosti pogonskog sistema", 1986-1988. god.

15. "Istraživanje uticaja radnih mašina na pogonski sistem", 1986-1990. god.

16. "Razvoj softverskog paketa za digitalnu simulaciju dinamike pogonskog sistema", 1986-1990. god.

17. "Istraživanje dinamike elektromotora u pogonskom sistemu",1986-1990. god.

18. " Istraživanje i razvoj pogonskih sistema industrijskih robota sa elastičnim zglobovima", 1991-1993. god.

19. Távoktatási képzési csomag kidolgozása a Szegedi Tudományegyetem, Szegedi Élelmiszeripari Föiskolai Karán, SZTE-SZÉF, Szeged, 2002-2003.

20. Distant Learning, University of Novi Sad, Mihajlo Pupin Faculty of Engineering, 2002-2003.

Elnyert tudományos pályázatai az utóbbi években:

1. DF e-tananyag, Apertus Közalapítvány, Budapest, 2004.

2. Mechatronics, 2002-2006, participants.

3. FP-7 Prosense, 2008-2010, supervisor.

4. Tudásszint kiegyenlítő, rövid ciklusú e-Learning kurzusok kifejlesztése, 2007, participants.

5. Sensor Network Based Data Collection and Information Processing, sub-project: Intelligent Mobil Robots, 2009-2011, sub-project leader.

6. Mechedu, IPA, 2010-2011, participants.

7. Development of Anthropomorphic Robotic Platform for Socially Acceptable and Adequate Interaction in Human’s Working Environment, 2011-2014, participants.

Műszaki alkotás

1. Mester Gyula, „Metoda sukcesivnih aproksimacija za približno odredjivanje frekvencije glavnih oblika oscilacija sistema sa više stepeni slobode kretanja“, Univerzitet u Beogradu, Mašinski Fakultet, Beograd, 1974.

2. Mester Gyula, „Primena Hamiltonovog principa za izvodjenje diferencijalnih jednačina različitih problema oscilovanja elastičnih tela“, Univerzitet u Beogradu, Mašinski Fakultet, Beograd, 1974.

3. Mester Gyula, "Stručna ekspertiza u medjunarodnom sporu Sever-SEW", Szabadka, 1982.

4. Mester Gyula, "Idejni projekat spoljašnjeg transporta fabrike Aluminijum-ambalaže u Subotici" Szabadka, 1978.

5. Mester Gyula…, “Sanacija temelja kondenz pumpe TE Nikola Tesla, B", Obrenovac, 1985.

6. Mester Gyula…, "Nostrifikacija projektne dokumentacije krana GANZ MHD", Budapest, 1985.

7. Mester Gyula, "Istraživanje i razvoj novog reda elektromehaničkih prenosnika", Sever, Szabadka, 1985.

8. Mester Gyula…, " Sanacioni elaborat temelja moto-reduktora", Törökkanizsa, 1985.

9. Mester Gyula…, " Dinamička analiza ramovskog temelja kompresora snage 5.5 MW", Zorka-Azotara, Szabadka,1986.

10. Mester Gyula…, "Nostrifikacija projektne dokumentacije krana GANZ MHD", Budapest, 1986.

11. Mester Gyula…, "Izveštaj o merenju nivoa vibracija posle sanacije", Törökkanizsa,1986.

12. Mester Gyula, "Prikaz softverskog paketa DINPOS". Hannover Messe, Németország, 1988.

13. Mester Gyula…, "Razvoj softverskog paketa za simulaciju dinamike pogonskog sistema”, Szabadka, 1990.

14. Mester Gyula…, "Razvoj softverskog paketa ADAPTSIM za simulaciju adaptivnog upravljanja robota sa elastičnim zglobovima". Szabadka, 1993.

15. Mester Gyula, Razvoj e-Learning sadržaja u LAMP okruženju, Szabadka, 2004.

Dr. Mester Gyula **tagsága tudományos szervezetekben**:

- Technical Committee on Computational Cybernetics within System, Man and Cybernetics Society, 2014-, http://conf.uni-obuda.hu/SMC_TC_CC/.

- Magyar Tudományos Akadémia köztestületi tag, 2000-.

- MTA Szegedi Bizottság Műszaki Szakbizottsági tag,

- Magyar Robottechnikai Társasági tag, 1993-2002.

- Neumann János Számítógép-tudományi Társaság, John von Neumann Computer Science Society, Robotika Szakosztály tag, 2014-.

- Magyar Fuzzy Társaság, Hungarian Fuzzy Association tag, 2014-.

- The New York Academy of Sciences tag, 1994-.

- Pannon Applied Mathematics and Mechanics, PAMM tag, 1982-2000.

- Gesellschaft für Angewandte Mathematik und Mechanik, GAMM tag**,** 1982-1988.

- International Federation for the Promotion of Mechanism and Machine Science, IFToMM tag, 1974-1991.

- Yugoslav Society of Mechanics tag, 1974-1991.

- Vajdasági Mechanikai Társaság titkára, 1980-82.

- Vajdasági Magyar Mérnökök Egyesületének tagja, 2014-.

- Vajdasági Magyar Tudományos Társaság tagja, 2007-.

- Magyar Mérnökakadémia rendes tagja, 2013-.

- Magyar Tudományos Akadémia, Műszaki Tudományok Osztálya, Automatizálási és Számítástechnikai Tudományos Bizottság tagja, 2012-.
- DAAAM International Vienna tagja, 2014-.

Dr. Mester Gyula **szerkesztőbizottsági tagsága és tisztségei tudományos folyóiratoknál**:

1. Business Systems Research, Zagreb, Member of Advisory Board, 2013-, www.bsrjournal.org.

2. Acta Polytechnica Hungarica, Budapest, Associate Editor, 2010-, http://www.uni-obuda.hu/journal/.

3. IPSI BgD Transactions on Internet Research, New York, Frankfurt, Tokyo, Belgrade, Guest Editor: Special Issue, Intelligent Service Robotic Systems, Volume 8, Number 2, ISSN 1820 – 4503, 2012.

4. IPSI BgD Transactions on Internet Research, New York, Frankfurt, Tokyo, Belgrade, Member of Editorial Board, 2010-,

5. IPSI BgD Transactions on Advanced Research, New York, Frankfurt, Tokyo, Belgrade, Member of Editorial Board, 2010-,

6. Bulletins for Applied Mathematics, Budapest, Member of Editorial Board, 1986-2000.

7. Acta Technica Corviniensis – Bulletin of Engineering, Hunedoara, Scientific Committee & Advisory Board Member, 2010-,

8. Annals Faculty Engineering Hunedoara – International Journal of Engineering, Romania, Scientific Committee & Advisory Board Member, 2010-,

9. Journal Interdisciplinary Description of Complex Systems - INDECS, ISSN 1334-4684, Advisory Board Member, Zagreb, 2013-,

10. - Interdisciplinary Description of Complex Systems, http://indecs.eu/, Guest Editor 2015-.

11. Műszaki tudományos Füzetek, International DAAAM, VII-XIII, Tudományos Bizottsági tag, Kolozsvár, 2002-2008.

12. FM Transactions, University of Belgrade, Faculty of Mechanical Engineering, Member of Editorial Board, Belgrade, 2015-.

A következő **tudományos folyóiratok bírálója**:

1. Interdisciplinary Description of Complex Systems, 2014-, http://indecs.eu/

2. Journal of Aerospace Engineering, 2013-, http://www.aeroespacial.org.br/jaesa/

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7. Intelligent Systems: Models and Applications, Springer-Verlag, 2012-, http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-33958-5

8. Journal of Inequalities and Applications, Springer 2012-, http://www.journalofinequalitiesandapplications.com/

9. Journal of Mechanical Engineering, Strojniški vestnik, 2012,http://ojs.svjme.eu/index.php/svjme.

10. Robotics and Computer Integrated Manufacturing, Elsevier 2012-, http://www.journals.elsevier.com /robotics-and-computer-integrated-manufacturing/

11. Annals Faculty Engineering Hunedoara – International Journal of Engineering, 2012-, http://annals. fih.upt.ro/

12. Acta Technica Corviniensis – Bulletin of Engineering, Hunedoara, 2012-, http://acta.fih.upt.ro/

13. International Journal of Electrical and Computer Engineering Systems (IJECES), 2012-, http://www. etfos. unios.hr/ijeces/index.php/ijeces

14. IPSI BgD Transactions on Internet Research, 2012-, http://vipsi.org/ipsi/journals/

15. IPSI BgD Transactions on Advanced Research, 2012-, http://vipsi.org/ipsi/journals/

16. International Journal of Automation and Control, 2009-, http://www.inderscience.com/ jhome.php?jcode = IJAAC

17. Maintenance and Realibility, The Polish Academy of Sciences Branch in Lublin and The Polish Maintenance Society (Warsaw), 2014-, http://www.ein.org.pl/

18. Measurement, the Journal of the International Measurement Confederation, Elsevier, 2014-, http://www.journals.elsevier.com/measurement/

19. FME Transactions, University of Belgrade, Faculty of Mechanical Engineering, 2014-, http://www.mas.bg.ac.rs/istrazivanje/fme/start

A következő **konferencia kiadványok bírálója**:

1. 13th World Multi-Conference on Systemics, Cybernetics and Informatics: WM-SCI '09 Orlando, Florida, USA, 2009.

2. IECON-2010, the 36th Annual Conference of the IEEE Industrialal Electronics Society, 2010, Glendale, AZ, USA.

3. International Symposium on Industrial Electronics, ISIE Bari, 2010, Italy.

4. YUINFO, 2011 – 2012, Kopaonik, Serbia.

5. ICIST, 2012 - 2nd International Conference on Information Society Technology, Kopaonik,Serbia.

6. IBC 2012, Internet & Business Conference, Rovinj, Croatia.

7. The 4th International Conference on Information Technology (ICIT 2013), Amman, Jordan.

8. IEEE Symposium Series on Computational IntelligenceIEEE SSCI 2013, Singapore.

9. International Workshop on Advanced Computational Intelligence and Intelligent Informatics (IWACIII), 18-21 October 2013, Shanghai, China.

10. IEEE Symposium Series on Computational Intelligence 2014 (SSCI 2014), Orlando, Florida, USA, December 9-12, 2014.

11. IEEE IES Mecatronics14, 10th France - Japan Congress, 8th Europe - Asia Congress on Mecatronics, Tokyo, Japan, November 27-30, 2014, http://www.comp.sd.tmu.ac.jp/mecatronics2014/index.html

12. The 7th International Conference on Information Technology, ICIT 2015, Amman, Jordan, ISSN 2306-6105, May 12-15, 2015.

Dr. Mester Gyula szerepe **hazai és nemzetközi, kongresszusok, konferenciák rendezésében**:

- 20. Jugoslovenski kongres teorijske i primenjene mehanike, 1993, Kragujevac, szervezőbizottsági tag.

- First ECPD International Conference on Advanced Robotics, Intelligent Automation and Active Systems, Athens, Greece, 1995, szekció elnök, előadó.

- International Power Electronics & Motion Control Conference, PEMC'96, 1996, Budapest, szervezőbizottsági tag.

- International Panel Conference on Soft and Intelligent Computing, SIC'96 1996, Budapest, nezetközi szervezőbizottsági tag.

- 5th International Workshop on Robotics in Alpe-Adria-Danube Region, RAAD'96, Budapest,1996, szekció elnök, előadó.

- Second ECPD International Conference on Advanced Robotics, Intelligent Automation and Active Systems, Vienna, 1996, szekció elnök, előadó.

Soft and Intelligent Computing in Control Engineering, SICCE'97, Szabadka, 1997, elnök, plenáris előadó.

- Pannonian Applied Mathematical Meeting, Kassa, 1997, szervezőbizottsági tag.

- PEMC'98 Conference, Prága, 1998, nemzetközi publikációs bizottsági tag.

- Savremene računarske tehnologije 2000, Szabadka, 2000, elnök, plenáris előadó.

- IEEE 1st Serbian- Hungarian Joint Symposium on Intelligent Systems, SISY 2003, September 19-20, 2004, Subotica, Serbia and Montenegro, szekció elnök, programbizottsági tag, előadó.

- 20th International Scientific Conference «Information Technology in Education of Informatics, Electrical and Mechanical Engineers», 2004, Szabadka, Jugoszlávia, konferencia kiadvány szerkesztője.

- IEEE 2nd Serbian- Hungarian Joint Symposium on Intelligent Systems, IEEE SISY 2004, October 1- 2, 2004, Subotica, Serbia and Montenegro, programbizottsági tag, előadó.

- IEEE 3rd Serbian- Hungarian Joint Symposium on Intelligent Systems and Informatics, IEEE SISY 2005, August 31- September 1, 2005, Subotica, Serbia and Montenegro, programbizottsági tag, előadó.

- IEEE 4th Serbian- Hungarian Joint Symposium on Intelligent Systems and Informatics, IEEE SISY 2006, September 29-30, 2006, Subotica, Serbia, szekció elnök, programbizottsági tag, előadó.

- International Conference on Intelligent Engineering Systems, INES 2006, London, United Kingdom, 2006, szekció elnök.

- YUINFO 2007, Kopaonik, szekció elnök, előadó.

- IEEE 5th International Symposium on Intelligent Systems and Informatics, IEEE SISY 2007, August 24-25, 2012, Subotica, Serbia, Intelligent Robotics I, szekció elnök, programbizottsági tag, előadó.

- 25th International Conference Science in Practice IEEE SiP 2007, Schweinfurt, programbizottsági tag, előadó.

- 26th International Conference Science in Practice IEEE SiP 2008, Osijek, programbizottsági tag, előadó.

- IEEE 6th International Symposium on Intelligent Systems and Informatics, IEEE SISY 2008, September 26-27, 2008, Subotica, Serbia, programbizottsági tag, előadó.

- 27th International Conference Science in Practice IEEE SiP 2009, Pécs, programbizottsági tag, előadó.

- World University President Summit, IPSI Conference, Belgrade, 2009, tanácsadó, plenáris előadó.

- IEEE 7th International Symposium on Intelligent Systems and Informatics, IEEE SISY 2009, September 25-26, 2012, Subotica, Serbia, programbizottsági tag, előadó.

- International Conference on Computing, Communications and Control Technologies, Invited Session: Intelligent Robot Motion Control in Unstructured Environments, szekciószervező, Orlando, Florida, USA, April 6-9, 2009.

- 28th International Conference Science in Practice IEEE SiP 2010, Szabadka, elnök, főszerkesztő, programbizottsági tag, előadó.

- IEEE 8th International Symposium on Intelligent Systems and Informatics, IEEE SISY 2010, September 10-11, 2012, Subotica, Serbia, programbizottsági tag, előadó.

- YUINFO 2011, Kopaonik, szekció elnök.

- IEEE 9th International Symposium on Intelligent Systems and Informatics, IEEE SISY 2011, September 08-10, 2011, Subotica, Serbia, programbizottsági tag, , előadó.

- Mech Edu, 2011.12.8-10, Szabadka, tudományos bizottsági tag.

- IBC 2012, Internet & Business Conference, Rovinj, Croatia, szervezőbizottsági tag, előadó.

- IEEE 10th International Symposium on Intelligent Systems and Informatics, IEEE SISY 2012, September 20-22, 2012, Subotica, Serbia, programbizottsági tag.

- YUINFO 2013, Kopaonik, Serbia, programbizottsági tag.

- ICIST 2013, Kopaonik, Serbia, programbizottsági tag.

- Workshop on Modern Approach to Product Development and Business Improvement, Balatonfüred, 2013, szekcióvezető.

- IEEE 11th International Symposium on Intelligent Systems and Informatics, SISY 2013, September 26-28, 2013, Subotica, Serbia, programbizottsági tag.

- IEEE 12th International Symposium on Intelligent Systems and Informatics, SISY 2014, September 11-13, 2014, Subotica, Serbia, programbizottsági tag.

- International Workshop on Advanced Computational Intelligence and Intelligent Informatics (IWACIII), 18-21 October 2013, Shanghai, China, programbizottsági tag.

- International Workshop on Advanced Computational Intelligence and Intelligent Informatics (IWACIII), 18-21 October 2013, Shanghai, China, szekciószervező:
Intelligent Interaction and Visualization,
spec. szekciószervező: Modeling, PathPlanning, Navigation and Autonomous Flight Control of Quadrotor Microcopter

- International Workshop on Advanced Computational Intelligence and Intelligent Informatics (IWACIII), 18-21 October 2013, Shanghai, China, plenáris előadó.

- YUINFO 2014, Kopaonik, Serbia, programbizottsági tag.

- ICIST 2014, Kopaonik, Serbia, programbizottsági tag.

- SISY 2014, IEEE 12th International Symposium on Intelligent Systems and Informatics, 11-13 September, 2014, Subotica, Serbia, programbizottsági tag.

- IEEE Symposium on Robotic Intelligence in Informationally Structured Space (RiiSS 2014) 9-12 December 2014, Orlando, Florida. USA, programbizottsági tag.

- YUINFO 2015, Kopaonik, Serbia, programbizottsági tag.

Mester Gyula közleményeinek és idézeteinek jegyzéke

Jelölések:
MTMT = Magyar Tudományos Művek Tára
WOS - Web of Science, Thomson Reuters
GooSch = Google Scholar

A. Monográfia

A1. Gyula Mester, Rigid-Link Flexible-Joint Robot Dynamics and Control, Monograph, p. 1-100, Institut of Electro-Mechanical Systems, Subotica, Yugoslavia, 1993. **MTM/1.0**

B. Monográfiai fejezetek

B1. **GooSch** Aleksandar Rodic, Gyula Mester, Ivan Stojković, Qualitative Evaluation of Flight Controller Performances for Autonomous Quadrotors, pp. 115-134, Intelligent Systems: Models and Applications, Endre Pap (Ed.), Topics in Intelligent Engineering and Informatics, Vol. 3, Part. 2, TIEI 3, ISSN 2193-9411, e-ISSN 2193-942X, ISBN 978-3-642-33958-5, e-ISBN 978-3-642-33959-2, DOI 10.1007/978-3-642-33959-2_7, Springer-Verlag Berlin Heidelberg, http://link.springer.com/chapter/10.1007/978-3-642-33959-2_7, 2013. **MTMT/0.4**

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B4. **GooSch** **WOS**, Gyula Mester, Aleksandar Rodic, Autonomous Locomotion of Humanoid Robots in Presence of Mobile and Immobile Obstacles, Studies in Computational Intelligence, Towards Intelligent Engineering and Information Technology, Part III Robotics, Volume 243/2009, pp. 279-293, ISBN 978-3-642-03736-8, Library of Congress: 2009933683, DOI 10.1007/978-3-642-03737-5, Springer, 2009. **MTMT/0.3**

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C. Könyvek, könyvfejezetek

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C3. Gyula Mester, Robotika, p. 150, ISBN 978-963-279-515-7, Typotex Kiadó, Budapest, 2011. **MTMT/1.0**

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万方数据资源系统摘要: 四旋翼无人直升机是一种多输入, 强耦合, 多变量, 欠驱动的系统, 其可以应用到航拍, 考古, 边境巡逻, 反恐侦查等多个领域, 具有广阔的前景. 根据欧拉定理以及牛顿定律建立四旋翼无人 直升机的动力学模型, 并且考虑了空气阻力, 转动力矩对于桨叶的影响, 而后基于经典PID 算法 ...

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Tudománymetriai adatai

Közlemények száma: 246
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Budapest
2014.12.21

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