



DELIVERABLE

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1 Introduction

In June 2010 partners from six European universities started the project thinkMOTION with the main objective of providing content from the field of motion systems via the Europeana online portal.

The main challenge for most of the project partners was to get familiar with the DMG-Lib and its database, where the contents provided for Europeana are integrated. As part of the projects awareness activities thinkMOTION and DMG-Lib will be presented at international conference by releasing publications on project and scientific level.

The thinkMOTION staff training and secondment as well as publications are described in this document. They are part of Task 10.3 within WP10 – Dissemination, awareness activities and staff development – included in the “Description of Work” for thinkMOTION project.

2 Workflow and results

2.1 *Staff training and secondment*

The aim of staff training was to enable all the thinkMOTION team members of each partner to work efficiently with the DMG-Lib database, called ProDB, for entering metadata and IPR activities, hardware and software, and workflows which were new ground for the majority of the thinkMOTION partners.

Therefore, the ProDB user interface (Figure 1) was translated into additional languages and a project handbook containing the listed tutorials and workflows was developed and maintained:

- Tutorial for definition of items
- Tutorial for digitisation and processing
- Tutorial for DMG-Lib Book Editor
- Tutorial for generation of letter of agreement (IPR)
- Tutorial for generating interactive animations
- Tutorial for entering metadata for documents
- Tutorial for entering metadata for patents
- Tutorial for entering metadata for persons
- Tutorial for entering metadata for images
- Tutorial for entering metadata for CAx items
- Tutorial for Europeana quality criteria
- Tutorial for Europeana compliance checker

The screenshot displays the 'Edit document data' interface for ID:16186009. It includes a navigation menu at the top, document metadata, and a 'Work Flow Logs' table. The workflow log contains the following entries:

Id	Workflow Information	Id (time of entering)	!
1	137439017 ordered	08.06.2011	Krengel Fernleihe / mit Kerstin Schlott
2	137440017 received	20.06.2011	Krengel UB Braunschweig / 2010-0906
3	137441017 entered	04.07.2011	Kapp
4	138546017 reserved for scanning	20.07.2011 07:27:07	Krengel
5	138667017 scan	20.07.2011	Krengel 110720_02_016186009_Reuleaux_Erster_Band
6	138668017 check	22.07.2011	Krengel
7	138669017 to server (DMG)	25.07.2011	Krengel
8	138670017 sent back	26.07.2011	Krengel an Fernleihe
9	140354017 to tape	16.09.2011	Krengel externe Festplatte TMI001

Figure 1. Screenshot of the DMG-Lib database “ProDB”

Besides providing these tutorials to the national teams, training sessions were offered to train many steps in detail, consider different use cases and discuss questions and problems.

The training director (Ilmenau University of Technology) and the work package leaders organized the first thinkMOTION training days on 08.-09.02.2011 at Ilmenau, Germany. The objective was to offer training sessions for core tasks in the different work packages like clarification of Intellectual Property Rights (IPR) issues and generation of letter of agreement, digitisation, processing, and entering metadata in the DMG-Lib database. The participants worked in real use cases with different tools e.g. the production database ProDB for entering metadata and generation of letter of agreement, or the software ScanTailor for processing of scanned pages. The workflows, hardware and software tools and IPR issues were presented and discussed. 25 participants from all partners of the consortium took part at these first training days.

After the training days in Ilmenau, the work package and task leaders organised national in-house trainings in addition to the training days. Some partners offered training sessions with the producers of their scanning equipment; others were instructed by library staff in the location and classification of different bibliographical sources.

The second training days took place in parallel to the thinkMOTION meeting at Timisoara, 05.-06.10.2011. The objective was to inform about workflow optimization, like changes in the rights clarification workflow, to discuss questions and problems which occurred in everyday work with the production database and to introduce new software tools within the ProDB, like the statistics tool, the DMG-Lib Book Editor or the AIS Generator for interactive animations. 20 participants from all partners of the consortium took part in the second training days. Again, national in-house trainings were organised afterwards to share knowledge with new staff.

A third training session was offered parallel to the 3rd meeting of thinkMOTION Governing Council at Aachen, 29.03.2012. The session aimed at discussing and solving current problems in everyday work with the ProDB. Beforehand, concrete tasks, where problems occurred, were collected from all partners, to tailor the training on it. Thus, among other things an example mechanism was created, attaching images and video to existing mechanisms was shown and the integration of CAD models in the database was demonstrated. Twelve participants from all partners of the consortium took part in the third training days.

The fourth and last training day took place in parallel to the thinkMOTION consortium meeting at Bilbao, 18.09.2013. New ProDB features like the Europeana Compliance Button, and our own Europeana Quality Guidelines including good and bad examples for metadata descriptions for each item type were introduced to 14 participants from all partners of the consortium. Additionally, an example mechanism description combined with a CAx data set was created exemplary with the participants because these item types seemed to be trickier than others. Also, a session about uploading data, particularly books, images and CAx files, and setting links between these items was offered. The training ended with a session for problem solving with discussion and show of practical solution of still existing problems.

Again, the partner's organised specialised in-house training sessions for new members of their teams, focusing mainly on the digitising, quality improving and processing of material for DMG-Lib as well as on the usage and possibilities of DMG-Lib for research and technical purposes.

2.2 Publications

Publications communicate thinkMOTION as project delivering data to Europeana as well as the DMG-Lib as international digital library for motion systems.

62 scientific and technological articles and papers at several international conferences and in press were published since project start. Hereby, the whole consortium was presenting content but also the workflow and challenges and the lessons learned which are interesting for other similar projects. Furthermore, presenting the thinkMOTION project to the public aimed to explain the roles of DMG-Lib and Europeana, as well as to get in contact respectively to strengthen communication with stakeholders, users and content providers.

Please find the complete list of publications in ANNEX I and online on the thinkMOTION website¹.

3 Conclusion

The staff development enabled the thinkMOTION team members to work efficiently with our database ProDB for entering metadata and IPR activities, with hardware and software as well as with related workflows. Beside technologies and contents, challenges and lessons learned during the project duration were successfully presented at international conference by releasing publications on project and scientific level.

¹ <http://www.thinkmotion.eu>

ANNEX I – thinkMOTION list of publications

1. V. Petuya, Ch. Pinto, J. Corral, E. Amezua, A. Hernandez: *Using the thinkMOTION project resources for the teaching of Mechanism and Machine Theory*. 1st International Symposium on the Education in Mechanism and Machine Science, June 13-14, 2013. Madrid, Spain. New Trends in Educational Activity in the field of Mechanism and Machine Theory. Springer Mechanism and Machine Science Series, vol. 19. García-Prada, J. C., Castejón, C. Eds. Springer. ISBN 978-3-319-01835-5
2. V. Petuya, O. Altuzarra, Ch. Pinto, E. Amezua, A. Hernandez: *El proyecto thinkMOTION: creación de una librería digital de mecanismos en Europeana*. DYNA Journal, 2013. (under preparation)
3. Ceccarelli M., Cigola M.: *Marcus Vitruvius Pollio*. In: Distinguished Figures in Mechanism and Machine Science: Their Contributions and Legacies, Part 3; Springer, Dordrecht, 2013. (under preparation)
4. Ceccarelli M.: *Giuseppe Antonio Borgnis*. In: Distinguished Figures in Mechanism and Machine Science: Their Contributions and Legacies, Part 3; Springer, Dordrecht, 2013. (under preparation)
5. Marco Ceccarelli, Francesco Sorge, Giuseppe Genchi: *Notes on Elia Ovazza: professor of TMM in Palermo since the end of 19-th century*. Palermo Workshop on History of MMS 2013. (under preparation)
6. Yibing Fang, Marco Ceccarelli: *North Italy Medium Size Companies of Mechanical industry from mid 19th Century*. Palermo Workshop on History of MMS 2013. (under preparation)
7. Cigola M.: *The Qiqi Tushubo by the Jesuit Johann Schreck: Europeans “Theatra Machinarum” in China in the XVIIth century*. A bridge between Science and Engineering – Proceeding of XXXII International SISFA Congress “Physics, Astronomy and Engineering, Springer, Dordrecht, 2013. (under preparation)
8. Olga Egorova, Marco Ceccarelli: *Ivan Artobolevski as the First IFToMM President*. Theory of Mechanism and Machine, Journal of St Petersburg State University. (under preparation)
9. Cigola M.: *L'impronta della memoria*. Sesto Seminario di Studi “Idee per la Rappresentazione”, Siracusa, Italy May 2013. (in print)
10. Yibing Fang, Marco Ceccarelli, Baichun Zhang: *Findings on Italian Historical developments of Machine Technology in 19th Century towards industrial revolution*. SYROM 2013 The 11th IFToMM International Symposium on Science of Mechanisms and Machines, Brasov. (in print)
11. Veit Henkel, Sascha Falke, Torsten Brix: *The Digital Mechanism and Gear Library Supports Design Engineers in Finding Ideas for Design Solutions in the Field of Motion Systems*. In: Mechanika 2013. Proceedings of the 18th International Conference, April 4-5, 2013, Kaunas University of Technology, Lithuania. ISSN 1822-2951. Kaunas: Technologija, 2013. p. 87-92.
12. M. Ceccarelli: *Notes for a History of Grasping Devices*. In: Grasping in Robotics, Carbone Giuseppe (Ed.); Series: Mechanisms and Machine Science, Vol. 10, URL: http://link.springer.com/chapter/10.1007/978-1-4471-4664-3_1
13. Jean-Christophe Fauroux: *PATSTEC-thinkMOTION, Une riche collaboration entre projets national et européen*. Conférence invitée à la Journée Nationale de la Mission de Sauvegarde du Patrimoine Scientifique et Technique Contemporain (PATSTEC), 21 novembre 2012, Musée du CNAM, Paris. 30 p.

14. Erwin-Christian Lovasz, Karl-Heinz Modler, Corina Mihaela Gruescu, Dan Perju, Valentin Ciupe: *Novel Solution for Reel Mechanisms*. The 2nd IFToMM Asian Conference on Mechanism and Machine Science, November 7 -10, 2012, Tokyo, Japan, pp. ID 96
15. S. Falke, T. Brix, R. Brecht, U. Döring, M. Reeßing: *Providing Suitable Information Accesses for New Users of Digital Libraries – Case Study DMG-Lib*. In: Proceedings of the International Workshop on Supporting Users' Exploration of Digital Libraries (SUEDL) at International Conference on Theory and Practice of Digital Libraries (TPDL), Cyprus, 27 September 2012. URL: <http://ixa2.si.ehu.es/suedl/SUEDLproceedings.pdf>
16. Marco Ceccarelli: *An Illustrated History of LARM in Cassino*. Proceedings of RAAD 2012 International Workshop on Robotics in Ale-Adria-Danube Region, Napoli, Edizioni Scientifiche e Artistiche, ISBN 978-88-95430-45-4, pp. 35-42.
17. Marco Ceccarelli: *Historical Development of CaPaMan, Cassino Parallel Manipulator*. New Trends in Mechanisms and Machine Science, Springer Dordrecht, 2012, pp.749-747, ISBN 978-94-007-4001-6, DOI [10.1007/978-94-007-4902-3_78](https://doi.org/10.1007/978-94-007-4902-3_78)
18. Marco Ceccarelli: *Activity and influence of Francesco Masi in Italy at the end of XIX century*. In: Science and Technics in XVIII and XIX century, Mesini E. and Mirri D. (eds), CLUEB, Bologna , pp. 467- 492. ISBN 978-88-491-3697-5. (in Italian)
19. Jean-Christophe Fauroux: *Synthesis of spatial parallel mechanisms for a vertical and longitudinal all-terrain suspension*. In: Mechanisms, Mechanical Transmissions and Robotics. Edited by Grigore Gogu, Inocentiu Maniu, Erwin-Christian Lovasz, Jean-Christophe Fauroux and Valentin Ciupe, TransTech Publications, Vol. 162 of Applied Mechanics and Materials, ISSN 1660-9336, Proc. of MTM-ROBOTICS 2012, The Joint International Conference of the XI International Conference on Mechanisms and Mechanical Transmissions (MTM) and the International Conference on Robotics (Robotics' 12), Clermont-Ferrand, France, June 6-8, 2012, pp. 19-28.
20. Jean-Christophe Fauroux, Belhassen-Chedli Bouzgarrou, Nicolas Bouton, Philippe Vaslin, Roland Lenain and Frédéric Chapelle: *Agile wheeled mobile robots for service in natural environment*. In: Service Robots and Robotics: Design and Application, A book edited by prof. Marco Ceccarelli, University of Cassino, Italy. Book chapter, pp.295-337. ISBN 978-1-4666-0291-5. IGI GLOBAL, 419 p., 2012.
21. Barej, M.; Hüsing, M.; Corves, B.: *Teaching in Mechanism Theory – From Hands-on Analysis to Virtual Modeling*. In: New Trends in Mechanism and Machine Science; 4th European Conference on Mechanism Science, September 18th-22nd, 2012, Santander, Spain. ISBN: 978-94-007-4901-6, ISSN: 2211-0984, pp. 703-710.
22. E.-C. Lovasz, D. Perju, K.-H. Modler, C. Gruescu, I. Maniu, E.S. Zabava: *Numerical Iterative Method for Computing the Base Circle Radius of Cam Mechanisms with Translating Flat-Face Follower*. In: New Trends in Mechanism and Machine Science Theory and Applications in Engineering, 2013, Volume 7, Part 3, 237-244, DOI: [10.1007/978-94-007-4902-3_25](https://doi.org/10.1007/978-94-007-4902-3_25), Springer Dordrecht Heidelberg New York London. EUCOMES 2012, Santander, Spain. SPRINGER LINK, 2012, 16-18 Septembrie, ISBN: 978-94-007-4901-6, pp. 237-244
23. Goubet, David; Fauroux, Jean-Christophe; Gogu, Grigore: *Structural synthesis of innovative gripping mechanisms for wood harvesting*. In: “New Trends in Mechanism and Machine Science”, edited by Fernando VIADEIRO and Marco CECCARELLI, Springer, Mechanisms and Machine Science Vol. 7, ISBN 978-94-007-4901-6, Proc. 4th European Conference on Mechanism Science , EUCOMES 2012, September 18th-22nd, 2012, Santander, Spain.

24. J. Aginaga, J.C. Pérez Cerdán, V. Hernández, V. Petuya, M. Lorenzo, O. Altuzarra, Ch. Pinto, A. Hernández: *Restoration and digital display of Max Kohl in the Engineering School of USAL*. In: “New Trends in Mechanism and Machine Science”, edited by Fernando VIADEIRO and Marco CECCARELLI, Springer, Mechanisms and Machine Science Vol. 7, ISBN 978-94-007-4901-6, Proc. 4th European Conference on Mechanism Science , EUCOMES 2012, September 18th-22nd, 2012, Santander, Spain.
25. J. Aginaga, V. Petuya, O. Altuzarra, Ch. Pinto, A. Hernández, J.C. Pérez, M.A. Lorenzo: *Recopilación de documentación histórica sobre Ingeniería Mecánica para el Proyecto Europeo thinkMOTION*. XIX Congreso Nacional de Ingeniería Mecánica, Castellón, Spain, 2012. Published in: Anales de Ingeniería Mecánica Journal (18), 2012. ISSN: 0212-5072.
26. E.-C. Lovasz, D. Perju, C. Gruescu, K.-H. Modler, I. Carabas and E.S. Zabava: *Numerical Method for Determination of Base Circle Radius of Cam Mechanisms with Oscillating Flat-Face Follower*. Proceedings of the XIth TMM Liberec 2012, Mechanisms and Machine Science 8 – Advances in Mechanisms Design, Springer Dordrecht Heidelberg New York London. SPRINGER LINK, 2012, 4-6 Septiembre, ISSN 2211-0984, ISBN 978-94-007-5124-8, pp. 143-150.
27. E.-Ch. Lovasz, C.M. Gruescu, V. Ciupe, I. Carabas, D. Margineanu, I. Maniu and N. Dehelean: *Advanced Digitization Techniques in Retrieval of Mechanism and Machine Science Resources*. Proceedings of the XIth TMM Liberec 2012, Mechanisms and Machine Science 8 – Advances in Mechanisms Design, Springer Dordrecht Heidelberg New York London. SPRINGER LINK, 2012, 4-6 Septiembre, ISBN 978-94-007-5124-8, pp. 35-42.
28. Valentin Ciupe, Erwin-Christian Lovasz and Corina-Mihaela Gruescu: *High Quality Document Digitization Equipment*. Mechanisms, Mechanical Transmissions and Robotics, Applied Mechanics and Materials, vol. 162 (2012), Trans Tech Publications, Switzerland, doi: 10.4028/www.scientific.net/AMM.162.589. ISBN-13: 978-3-0303785-395-5. 2012. pp. 589-596.
29. Valentin Ciupe, Erwin-Christian Lovasz and Corina-Mihaela Gruescu: *Demonstrative Digital Mechanisms Library*. Mechanisms, Mechanical Transmissions and Robotics, Applied Mechanics and Materials, vol. 162 (2012), Trans Tech Publications, Switzerland, doi: 10.4028/www.scientific.net/AMM.162.37. ISBN-13: 978-3-0303785-395-5. 2012. pp. 37-46.
30. Brix, T.; Brecht, R.; Henkel, V.; Reeßing, M.: *DMG-Lib – An Open Access Digital Library as an Exploration Tool for Historians and Engineers*. In: Koetsier, T.; Ceccarelli, M. (eds.): Explorations in the History of Machines and Mechanisms. Proceedings of HMM2012, May 7 – May 11, VU University, Amsterdam. Springer 2012, ISBN: 978-94-007-4131-7.
31. Braune, R.; Corves, B.: *Franz Reuleaux and Rhenish Roots of Mechanism Theory*. In: Koetsier, T.; Ceccarelli, M. (eds.): Explorations in the History of Machines and Mechanisms. Proceedings of HMM 2012, May 7 – May 11, VU University, Amsterdam. Springer 2012, ISBN: 978-94-007-4131-7, pp. 21-38.
32. Corves, B.: *Kurt Rauh: Saxon Mechanism Theory Brought to Aachen*. In: Koetsier, T.; Ceccarelli, M. (eds.): Explorations in the History of Machines and Mechanisms, Proceedings of HMM 2012, May 7 – May 11, VU University, Amsterdam. Springer 2012, ISBN: 978-94-007-4131-7, pp. 107-122.
33. Lovasz, E.-C., Perju, D., Maniu, I., Rădulescu, C., Ciupe, V.: *Francisc Viliam Kovács – Leader in the development of mechanisms and robotics in Romania*. In: History of Mechanism and Machine Science, 1, Volume 15, Explorations in the History of Machines and Mechanisms, Part 2, Amsterdam, 2012, 171-182, ISBN 978-94-007-4131-7.

34. Marco Ceccarelli, Michela Cigola: *On the evolution of graphical representation of gears*. In: Lovasz, Erwin; Corves, Burkhard (ed.) *Mechanisms, Transmissions and Applications*, Springer, New York, 2012, pp. 3-14. Presented on the 1st Workshop on Mechanisms, Transmissions and Applications MeTrApp 2011, Timișoara, Romania, October 06-08, 2011.
35. Burkhard Corves: *Kurt Hain and Walther Meyer zur Capellen: A View from Aachen at Two Shapers of German Mechanism Theory*. In: Lovasz, Erwin; Corves, Burkhard (ed.) *Mechanisms, Transmissions and Applications*, Springer, New York, 2012, pp. 15 – 36. Presented on the 1st Workshop on Mechanisms, Transmissions and Applications MeTrApp 2011, Timișoara, Romania, October 06-08, 2011.
36. Döring Ulf, Brecht Rike, Brix Torsten: *thinkMOTION – DMG-Lib goes Europeana*. In: Lovasz, Erwin; Corves, Burkhard (ed.) *Mechanisms, Transmissions and Applications*, Springer, New York, 2012, pp. 37 – 46. Presented on the 1st Workshop on Mechanisms, Transmissions and Applications MeTrApp 2011, Timișoara, Romania, October 06-08, 2011.
37. E.-C. Lovasz, D. Perju, B. Corves, T. Brix, K.-H. Modler, I. Maniu, C.M. Gruescu, A. Lovasz and V. Ciupe.: *Multilingual Illustrated μ -thesaurus in Mechanisms Science*. In: Lovasz, Erwin; Corves, Burkhard (ed.) *Mechanisms, Transmissions and Applications*, Springer, New York, 2012, pp. 47 – 58. Presented on the 1st Workshop on Mechanisms, Transmissions and Applications MeTrApp 2011, Timișoara, Romania, October 06-08, 2011.
38. B. Corves, S. Kurtenbach, M. Hüsing, C. Schneider: *A General Classification for Mechanisms Regarding the Motion Task*. In: Lovasz, Erwin; Corves, Burkhard (ed.) *Mechanisms, Transmissions and Applications*, Springer, New York, 2012, pp. 59 – 66. Presented on the 1st Workshop on Mechanisms, Transmissions and Applications MeTrApp 2011, Timișoara, Romania, October 06-08, 2011.
39. Ceccarelli M.: *The Historical Development of Catrasysm a Cable System*. In: *Explorations in the History of Machines and Mechanisms*, Book series on History of Machines and Machine Science, Vol.15, Springer, Dordrecht, 2012. pp.365-379. <http://dx.doi.org/10.1007/978-94-007-4132-4>. ISBN: 978-94-007-4131-7
40. Cigola M.: *The influence of the society of Jesus on the spread of European mechanical knowledge in the XVI and XVII centuries*. IFToMM Int. Symposium on History of Machines and Mechanisms, Vol.15, Springer, Dordrecht, 2012. pp.69-79. <http://dx.doi.org/10.1007/978-94-007-4132-4>. ISBN: 978-94-007-4131-7 .
41. Zakiuddin K.S., Sondawale H.V, Modak J.P., Ceccarelli M.: *History of Human Powered Threshing Machines: a Literature Review*. In: *Explorations in the History of Machines and Mechanisms*, Book series on History of Machines and Machine Science, Vol.15, Springer, Dordrecht, 2012. pp.431-445. <http://dx.doi.org/10.1007/978-94-007-4132-4>. ISBN: 978-94-007-4131-7
42. Ceccarelli M.: *A history of TMM-MMS in Italy*. 15th National Conference on Machines and Mechanisms, 2011, Chennai, paper NaCoMM2011-59, Edited Book: *Machines and Mechanisms*, Narosa Publ. House, Delhi, 2012, pp.67-74. ISBN 978-81-8487-192-0.
43. Corves, B.; Brix, T.; Döring, U.: *thinkMOTION: Digital Mechanism and Gear Library Goes Europeana*. In: *Technology Developments: the Role of Mechanism and Machine Science and IFToMM, Mechanisms and Machine Science 1*. Springer Science+Business, 2011. ISBN: 978-94-007-1299-7, S. 141-151.

44. Guía de prensa, S.L. (eds.): *COMPMECH, un exponente en investigación de robótica*. In: La VOZ empresarial. Tecnología I+D Ascensores. Nr. 34974. Year CVIII. September 28th, 2011. p. 14.
http://www.guiadeprensa.com/prensa/ABC/2011/09/28/la_voz_empresarial&ei=N57hTmUONGk-ga72Ly9Aw&usg=AFQjCNH8rb9WwhOKyUw-cz8ZekMING3TwQ
45. Lovasz, E.-C., Perju, D., Modler, K.-H., Corves, B., Brix, T., Döring, U., Maniu, I., Lovasz, A., Ciupe, V.: *Erfahrungen aus der Lehre und Forschung kommen in die thinkMOTION Datenbank*. 9. Kolloquium Getriebetechnik, Chemnitz, 2011, 41-56, ISBN 978-3-941-003-4-8
46. Brix, T.; Döring, U.; Brecht, R.; Reeßing, M.; Lovasz, E.: *thinkMOTION - Europeanas Tor in die Welt der Getriebe*. In: 9. Kolloquium Getriebetechnik / Kolloquium Getriebetechnik ; 9 (Chemnitz) : 2011.09.07-09. - Chemnitz : Univ.-Verl. Chemnitz (2011), S. 57-72. URL: <http://nbn-resolving.de/urn:nbn:de:bsz:ch1-qucosa-71264>
47. Lonij, G.; Corves, B.; Razum, M.; Reeßing, M.; Brix, T.: *e-Kinematix: virtuelle Forschungsumgebung zur Unterstützung der Getriebeentwicklung*. In: 9. Kolloquium Getriebetechnik / Kolloquium Getriebetechnik ; 9 (Chemnitz) : 2011.09.07-09. - Chemnitz : Univ.-Verl. Chemnitz (2011), S. 245-261. URL: <http://nbn-resolving.de/urn:nbn:de:bsz:ch1-qucosa-71264>
48. Fauroux Jean-Christophe, Bouzgarrou Belhassen-Chedli, Gogu Grigore: *Pédagogie et recherche pour une bibliothèque numérique de machines et mécanismes au sein du projet européen thinkMOTION*. Colloque C2 – Formation et Pédagogie. 20ème Congrès Français de Mécanique, Besançon, France, 28 Août – 2 Septembre 2011, 6 p.
49. Reeßing, M.; Brix, T.; Döring, U.: *Providing design solution repositories in the field of mechanism theory*. In: Design information and knowledge / International Conference on Engineering Design ; 18 (Copenhagen) : 2011.08.15-18. - [Glasgow] : Design Society (2011), S. 272-281.
50. Fauroux Jean-Christophe: *Le projet européen thinkMotion au service du GDR Robotique*. Journée Prototypage de Robots, GT6 Conception Innovante et Mécatronique, Groupe de Recherche en Robotique, ISIR Paris, 27 Juin 2011, 30p.
51. Ceccarelli, Marco: *Mechanism Designs of Cultural Heritage*. 13th World Congress in Mechanism and Machine Science (IFTToMM 2011), Guanajuato, México, 19-25 June 2011, paper n. A21-393.
52. H. Kerle, K. Mauersberger, M. Ceccarelli: *Historical Remarks on Past Model Collections of Machines and Mechanisms in Europe*. 13th World Congress in Mechanism and Machine Science (IFTToMM 2011), Guanajuato, México, 19-25 June 2011, paper n. A21-279.
53. T.Brix, U. Döring, M. Reeßing: *Creating Present-Day Solutions from Historical Knowledge*. 13th World Congress in Mechanism and Machine Science (IFTToMM 2011), Guanajuato, México, 19-25 June 2011, paper n. A21-475.
54. Lovasz, E.-C., Perju, D., Corves, B., Brix, T., Maniu, I., Modler, K.-H., Lovasz, A., Ciupe, V.: *Multilingual Illustrated μ -thesaurus of "mechanism" indexing terms*. 13th World Congress in Mechanism and Machine Science (IFTToMM 2011), Guanajuato, México, 19-25 June 2011, paper n. A27-404.
55. O. Egorova and M. Ceccarelli: *Ivan Ivanovich Artobolevski as one of the Founders of IFTToMM*. 13th World Congress in Mechanism and Machine Science (IFTToMM 2011), Guanajuato, México, 19-25 June 2011, paper n. A21-397.
56. Ch. Pinto, E. Macho, V. Petuya, O. Altuzarra, A. Hernandez: *Logiciel de simulation pour la caractérisation cinématique de robots spatiaux*. 12e colloque National AIP-PRIMECA. Proceedings del Congreso. Clermont-Ferrand, Francia del 29 al 1 de abril de 2011

57. Fauroux Jean-Christophe: *ThinkMotion, stratégie de déploiement en France*. Plenary session 7. 12th National Conference of the French PRIMECA Community. 29 Mars – 1er avril 2011, Mont-Dore, France
58. D'Aliesio E., Ceccarelli M.: *A history of artificial hands*. In: Proceedings of IFToMM-FeIbIM Int. Symposium on Mechatronics and Multibody Systems MUSME 2011, Valencia, 2011, paper 37.
59. R. Brecht, V. Henkel: *thinkMOTION: DMG-Lib goes Europeana – Portal für Europas Ingenieurwissen*. Universität Ilmenau (UNI), Jahrgang 54, Volume 1, 2011, pp.34-35
60. Cigola Michela; Ceccarelli Marco: *Historical Development of Paper Mills and Their Machines in South Latium During the Nineteenth Century*. In: History of Machines for Heritage and Engineering Development, Book series on History of Machines and Machine Science, pp 85-117, Vol.14, Springer, Dordrecht, 2011. ISBN 978-94-007-1250-8; DOI: [10.1007/978-94-007-1251-5](https://doi.org/10.1007/978-94-007-1251-5)
61. Cesare Rossi, Marco Ceccarelli, Michela Cigola: *La groma, lo squadro agrimensorio e il corobate: note di approfondimento su progettazione e funzionalità di antiche strumentazioni*. In: Biannual Magazine of the Survey, Analysis and Drawing Department of the Environment and Architecture, Vol. XXII, n.42, 2011, pp.22-33. ISBN 978-88-492-2248-7.
62. Brix, Torsten; Corves, Burkhard; Döring, Ulf: *Suggestion for a More Productive Workflow and Infrastructure of the Permanent Commission on Standardization of Terminology*. Proceedings of 23rd Working Meeting of the IFToMM Permanent Commission for Standardization of Terminology on MMS, Minsk-Gomel, Belarus, 21-26 June 2010, pp.49-57.