



DELIVERABLE

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D7.2 – Final release of Who-is-who

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A handwritten signature in blue ink that reads 'Marco Ceccarelli'.

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1. Introduction

The activity of WP7 “**Collection and systematisation of information about important persons in mechanism science**” is aimed at collecting and providing information about important persons, authors and inventors to give insight into the richness of European cultural heritage in the fields of mechanical engineering.

The activities and consequently the results have been well identified even at this time, and the work will be completed at the end of the project as indicated also in the presentation of the project proposal.

The tasks in WP7 are as follows:

Task 7.1: Persons and their work in history of mechanism science

7.1.1. Identification of important persons (depends on country, age etc.)

7.1.2. Collecting and storing their vitas in a uniform way

7.1.3. Compilation of a European Who-is-Who in the field of motion systems

Task 7.2: Detection of interdependencies between important persons

7.2.1. Identification of teacher-student-relations

7.2.2. Identification of places of activities (countries, schools, companies etc. to detect influences)

7.2.3. Detection of interdependencies between inventions and resulting technical developments

7.2.4. Detection of influences of historical circumstance in Europe on inventions and technical developments

Task 7.3: Historical evaluation and classification of inventions and resulting developments

7.3.1. Identification of criteria for the evaluation and classification of the impact of inventions for the technology development in Europe from the early medieval times

7.3.2. Cross-linking person data sets and content from WP5

7.3.4. Development and online presentation of timelines for persons, inventions, publications, etc.

Thus, the tasks for WP7 are recognized in making a database on personalities in Mechanism and Machine Science (MMS) with the aim to identify significant personalities and institutions in the European History of MMS and at the same time to express the links among them and towards the MMS achievements. In agreement with project plans expected results are planned in a proper database with figures in MMS containing elements for the above-mentioned evaluation of significance and influence in the European History of MMS.

In particular, the activities for WP7 have been developed through two different aspects:

- identification of full list of biography names
- production of results for the above-mentioned WP7 tasks

Regarding with criteria, after discussion and experience exchanges among project partners, the following general criterion has been agreed for an identification of suitable biographies for personality collection:

Person / institution, who gave a relevant contribution in MMS/Mechanism Design in her/his surrounding (institution, country, field). A relevant contribution can be considered when documented with a well reputation and circulation in the above-mentioned frames both in time and geography.

Thus, the production of biographies has been planned in terms of

- Persons
- Institutions (teaching institutions, research centers, science museums, enterprises)
- European countries (countries of the partners, but also the other ones)
- Time distribution (covering several centuries of history)

The above general criterion has been motivated to give the possibility to identify biography entries as based on knowledge and experience of project partners that can be centered on the History of Mechanism and Machine Science both in time periods and geographical areas within the wide European History of MMS. In addition, in general a significant result of this activity can be recognized in the fact that several identified biographies are not well identified in the current literature (such as encyclopedias, textbooks, and webpages) and in this project they have been emphasized and substantiated also with links to their achievements that are inputted as items in the digital library.

The biography collection has been worked out progressively during the project development up to the list that is reported in Annex 1, which contains a total of 1,519 entries, including 199 institutions. In addition, the Who-is-Who collection in Annex 2 has been identified among the partners as a sub-set of the total list biographies with very significant characters as indicating the main developments. The Who-is-Who selection has been composed with significant personalities but also representatives of the time

evolution from Antiquity up to today to show the interest and activity in the field. Biography metadata have been inputted by using the above-mentioned criterion by each project partner and they will be completed during the remaining period of the project activity. Each biography will be inputted at least with two languages, namely the partner language and English.

An additional criterion with topics indicators has been elaborated and agreed both to characterize the biography selection as for task 7.1 and to evaluate the biography characteristics as for tasks 7.2 and 7.3. Those topics indicators as in the Annex 2 of the first deliverable D7.1 are used and can be used in the description area of the editor page in ProDB (database of the DMG-Lib) and they can be considered a due result for tasks 2 and 3.

The production results, with biographies and their characteristics, have been enriched also with publications that summarize some of the identified developments and report some of the elaborated evaluations as related to tasks 7.2 and 7.3. The list of publications by project partners that refer to WP7 is reported in Annex 3, but more are under development and they will be published before the end of the project.

Although it can be considered that results so-far obtained for WP7 are not yet the final completed database, it is believed that the project partners have now well planned the future activities to fulfill the expected goals for WP7 to complete the data input for all the biography entries.

2. Results

Results are obtained to fulfill the WP7 tasks as described in the following.

2.1 Results for task 7.1

Suitable biographies have been identified by each partner as reported in Annex 1 as referring to partner ability and knowledge not only of topics and geographical areas of their surroundings. In general, the characteristics of those biographies have been collected by searching in textbooks, original documents, encyclopedia, web sites, and even in personal archives of scholars and heirs of recent personalities with the aim to give a specific novel outline as properly focused on the project theme. Most of these biographies will be worked out properly during the remaining of the project time in order to generate the required information to be inputted to DMG-Lib through the defined metadata with links to items that can substantiate the significant character. In particular, it has been agreed to differentiate general biographies from Who-is-Who biographies by having the latter with more details and several items linked to them. In addition, a timeline representation has been provided with a subset of the Who-is-Who selection that is reported in the second year report of WP7. Although required by Europeana, it is not always possible to have an image of a person (that is used also for the timeline representation for a general presentation of Who-is-Who produced since the second year of the project). In those cases it has been proposed to use an achievement image that can recall the corresponding biography.

In Annex 4 samples of biographies are reported to show typical contents. In general, biography data have been obtained by searching in history archives that are available in libraries and in internet web sites, but also by discovering biography data from original documents and authors' descendents. Biographies are then generated by reporting main data and characteristics that can out light the significant quality of the entry. The examples show also the novelty on those biography data, like for example in the cases of Frontinus and Borgnis (whose portrait has been provided by a descendent after more than one year of search).

Summarizing, the biography collection for WP7 is identified with 1,519 entries as indicated in the project proposal and the Who-is-Who selection has been planned with a 100 personalities as a subset of those total required 1,500 biographies.

2.2 Results for task 7.2

Relationships and interdependencies have been identified with suitable selection of biographies and they have been worked out with biography data by using both descriptions and cross-links that are possible in DMG-Lib. In addition, the topics indicators in Annex 2 of the deliverable D7.1 have been used within the description area of the metadata editor. In particular, the following keywords are used as 'what' labels in the ProDB editor for biographies:

- teacher
- student
- inventor
- designer
- founder

With the functions of where and when, as well with the area for description in metadata biography ProDB editor, a direct description is given for emphasizing the significance of a biography mainly, but not only, in terms of task 7.2.

Furthermore, a list of teaching institutions was also developed (as planned since Deliverable D7.1) with the aim to obtain a well thought European map of institutions with significant activity on MMS, also as a tool to show interdependencies and relationships in biography frames.

2.3 Results for task 7.3

Historical evaluation and classification of achievements have been worked out thorough elaborations of suitable data for biography inputs, description by using keywords and topics indicators, timeline flowchart, and publications of specific studies.

Criteria for evaluation and classification of the impact of inventions for the technology development in Europe from the early medieval time were indentified. In particular, the means of keywords can be a very efficient tool and indeed indicator of relationships, when a common set of basic keywords is used as general pointers, and then few other specific subjects can be used to emphasize the specificity of the topic indication.

Classification has been worked out by using properly the keywords and indicators in order to give a differentiation of the value and content of the contributions and achievements by the persons in the biography list and mainly in the Who-is-Who selection. Moreover, they can be used even for any author in DMG-lib author editor.

Evaluation has been worked out in selecting properly the persons for biography list and Who-is-Who selection by using the agreed criterion and specifically by considering details of personality and contributions of each entry. In general, the specific evaluation has been based on:

- Prominence of the personality with main career facts
- Relevance of the contributions with main publications, inventions, or designs
- Acceptance and dissemination of the significance of achievements.

Part of this evaluation has been shown by a proper identification of keywords emphasizing the person character and by using identifiers in characterizing his/her technical figures. In addition, such an evaluation has been also useful to work out the proposed synthetic list for the Timeline Show for task 7.3, as reported in the WP7 report of the second year.

ANNEX 1- list of planned biographies

SURNAME	NAME	birth	death	team
Abbe	Ernst	1840	1905	IUT
Adler	August	24.01.1863	17/10/1923	IUT
Alban	Ernst	1791	1856	IUT
Alembert	Jean Le Rond d'	1717	1783	IUT
Alt	Hermann	02.04.1889	15/01/1954	IUT
Altmann	Fritz Gerhard	04.04.1899	19/08/1973	IUT
Amezua	Enrique	1962	-	IUT
Ampère	André-Marie	1775	1836	IUT
Arago	François	1786	1853	IUT
Aristoteles		384 BC	322 BC	IUT
Arkwright	Richard	1732	1792	IUT
Aron	Hermann	1845	1913	IUT
Atwood	George	1745	1807	IUT
Babbage	Charles	1792	1871	IUT
Bahrdt	Wilhelm	1875	?	IUT
Barton	John	?	?	IUT
Baumgärtel	Marion	29/02/1960	?	IUT
Bauschinger	Johann	1834	1893	IUT
Becker	Anton	?	?	IUT
Becker	Hugo	?	?	IUT
Beckmann	Johann	1739	1811	IUT
Behn-Eschenburg	Hans	1864	1938	IUT
Bélidor	Bernard Forest de	1697	1761	IUT
Benz	Carl	1844	1929	IUT
Berger	Maik	?	?	IUT
Berndt	Georg	1880	1972	IUT
Bertram	Torsten	1964	-	IUT
Besson	Jacques	1510	1576	IUT
Béthencourt y Molina	Augustin de	1758	1824	IUT
Beyer	Rudolf	18.05.1892	27/11/1960	IUT
Biezeno	Cornelis Benjamin	02.03.1888	05/09/1975	IUT
Bischoff	Werner	1902	1993	IUT
Blaschke	Wilhelm	1885	1962	IUT
Blechschmidt	Christian	?	?	IUT
Blenke	Heinz	1920	1996	IUT
Bock	Arthur	12.11.1898	05/07/1991	IUT
Bögelsack	Gerhard	05/05/1932	2011	IUT
Boltz	Ernst	?	?	IUT
Boltzmann	Ludwig	1844	1906	IUT
Bonola	Roberto	1874	1911	IUT
Both	Otto	?	?	IUT
Böttcher	Frank	?	?	IUT
Bouchon	Basile	?	?	IUT
Brandenberger	Heinrich	1896	1964	IUT
Braune	Reinhard	28/05/1943	-	IUT
Braunschweig	Andreas	30/11/1954	-	IUT
Braunschweig	Marion	?	?	IUT
Brendel	Christian Friedrich	1776	1861	IUT
Bresse	Jacques Antoine Charles	1822	1883	IUT
Brisson	Mathurin-Jacques	1723	1806	IUT
Brock	Reimar	?	?	IUT
Brökel	Klaus	1951	-	IUT
Brown	Henry T.	?	?	IUT
Brunel	Isambard Kingdom	1806	1859	IUT
Buchheim	Gisela	07/02/1931	17/05/1991	IUT
Buchheim	Alf	11/04/1966	?	IUT
Buckingham	Earle	04.09.1887	1978	IUT
Bühning	Friedrich	?	?	IUT
Cardano	Geronimo	1501	1576	IUT
Carnot	Lazare	1753	1823	IUT
Carnot	Sadi	1796	1832	IUT
Cartwright	Edmund	1743	1823	IUT
Cauchy	Augustin Louis	1789	1857	IUT
Caus	Salomon de	1576	1626	IUT
Cauwenberghe	Robert/van	?	?	IUT
Čebyšev	Pafnutij L.	1821	1894	IUT
Celestin	Gérard	1821	1885	IUT
Chasles	Michel	1793	1880	IUT
Choi	Sung-Won	1972	?	IUT
Christen	Gerhard	27/07/1938	-	IUT
Coriolis	Gaspard	1792	1843	IUT
Corves	Burkhard	27/09/1960	-	IUT
Cranz	Otto	1898	1961	IUT
Crossley	Frank R. Erskine	21/07/1915	-	IUT
Cubitt	William	1785	1861	IUT
da Vinci	Leonardo	1452	1519	IUT
Daimler	Gottlieb	1834	1900	IUT
Danke	Peter	?	?	IUT
Decoster	Pierre	1806	1861	IUT
Dehelean	Nicolae Mircea	1952	-	IUT
Denavit	Jaques	01/10/1930	-	IUT
Desargues	Gérard	1593	1662	IUT
Descartes	René	1596	1650	IUT
Diaconescu	Dorin	1947	-	IUT
Dickinson	Henry Winram	28.08.1870	21/02/1952	IUT
Diesel	Rudolf	1858	1913	IUT
Dietz	Peter	1939	2010	IUT
Dingeldey	Friedrich	1859	1970	IUT
Dittrich	Günter	18/06/1935	-	IUT
Dög	Michael	?	?	IUT
Dolivo-Dobrowolsky	Michail Ossipowitsch	1862	1919	IUT

Donat	Franz	1863	?	IUT	Hansen	Friedrich	21/05/1905	01/06/1991	IUT
Dötzel	Wolfram	11/10/1941	?	IUT	Hänseroth	Thomas	14/11/1952	-	IUT
Dreher	Franz	?	?	IUT	Hartenberg	Richard Scheunemann	27/02/1907	24/12/1997	IUT
Dresig	Hans	31/01/1937	-	IUT	Hartig	Karl Ernst	1836	1900	IUT
Du Temple	Félix	1823	1890	IUT	Hartmann	Eugen	1853	1915	IUT
Dupin	Charles	1784	1873	IUT	Hecht	Siegmar	?	?	IUT
Edelstein	Siegmond	?	?	IUT	Hefner-Alteneck	Friedrich von	1845	1904	IUT
Ehrlenspiel	Klaus	07/03/1930	-	IUT	Heidebroek	Enno	15.11.1876	01/02/1955	IUT
Evans	Oliver	1755	1819	IUT	Heine	Eduard	1821	1881	IUT
Farey	John	1791	1851	IUT	Helm	Manfred	26/03/1971	?	IUT
Federhofer	Karl	05.07.1885	06/11/1960	IUT	Hermisdorf	Horst	1962	-	IUT
Feldmann	Clarence	14.01.1867	21/07/1941	IUT	Hernández Frías	Alfonso	1961	-	IUT
Ferguson	Eugene S.	1916	21/03/2004	IUT	Hertz	Heinrich	1857	1894	IUT
Fischer	Kurt	1878	24/06/1948	IUT	Herzog	Josef	?	?	IUT
Fischer	Jochen	1961	?	IUT	Hesselbach	Jürgen	1949	-	IUT
Fleckenstein	Joachim O.	1914	1980	IUT	Hildebrand	Siegfried	1904	1991	IUT
Fleischl von Marxow	Ernst	1846	1891	IUT	Hildebrandt	A.	?	?	IUT
Fourness	Robert	?	?	IUT	Hintz	Louis	?	?	IUT
Franke	Rudolf	24.06.1870	11/12/1962	IUT	Hirn	Gustave Adolphe	?	?	IUT
Fricke	Andreas	?	?	IUT	Hoenow	Gerhard	26/01/1933	?	IUT
Frindt	Matthias	?	?	IUT	Hoffmann	Dieter	1948	-	IUT
Fritz	Norbert P.	?	?	IUT	Höhne	Günter	27/05/1940	-	IUT
Fritzsch	Heinz	1933	-	IUT	Holzt	Alfred Conrad Udo	1859	1945	IUT
Fronius	Stefan	14/10/1913	02/03/1984	IUT	Holzweißig	Franz	27/03/1928	?	IUT
Funk	Wolfram	1938	-	IUT	Hooke	Robert	1635	1703	IUT
Galilei	Galileo	1564	1642	IUT	Hort	Wilhelm	1878	1938	IUT
Gehlhoff	Georg	1882	1931	IUT	Huhn	Erhart	?	?	IUT
Geise	Gerhard	02/01/1930	-	IUT	Huldschiner	Gottfried	?	?	IUT
Gentzen	Gerhard	1936	?	IUT	Hundhausen	Louis Rudolph Leopold	1864	1946	IUT
Gerlach	Gerald	?	?	IUT	Huygens	Christiaan	1629	1695	IUT
Gerstner	Franz Joseph von	1756	1832	IUT	Ifrim	Vasile	?	?	IUT
Gierse	Franz Josef	28/06/1930	?	IUT	Ihme	Wolfgang	?	?	IUT
Gnasa	Udo	1967	?	IUT	Jacobi	Peter	14/06/1938	-	IUT
Goetze	Roland	?	?	IUT	Jadanza	Nicodemo	1847	1920	IUT
Goldhahn	Horst	30/12/1938	-	IUT	Jahr	Willy	27.04.1886	-	IUT
Grammel	Richard	03.03.1889	26/06/1964	IUT	Jakoby	Jürgen	?	?	IUT
Gramsch	Torsten	?	?	IUT	Jaulmes	Eric	1949	?	IUT
Gregory	Olinthus Gilbert	1774	1841	IUT	Jungbluth	Georg	?	?	IUT
Guericke	Otto von	1602	1686	IUT	Junkers	Hugo	1859	1935	IUT
Gutenberg	Johannes	1400	1468	IUT	Kahle	Karl	?	?	IUT
Hachette	Jean N.	1769	1834	IUT	Kallenbach	Eberhard	16/08/1935	-	IUT
Hagedorn	Leo	06/09/1913	?	IUT	Káš	Adalbert	?	?	IUT
Hähle	Fritz	11/02/1942	-	IUT	Kassamanian	A. A.	?	?	IUT
Hain	Kurt	24/05/1908	07/01/1995	IUT	Kempe	Alfred Bray	1849	1922	IUT
Hammerschmidt	Christian	?	?	IUT	Kennedy	Alexander Blackie William	17.03.1847	01/11/1928	IUT
Hanisch	Frank	10/09/1972	-	IUT	Kerle	Hanfried	23/02/1941	-	IUT
					Kern	Heinrich	1950	-	IUT
					Kiper	Gerd	25/11/1919	-	IUT

Kirchbach	Frank	?	?	IUT	Mbarek	Taoufik	28/07/	?	IUT
Klein	Arthur Warner	17.11.	?	IUT	McCormick	Cyrus Hall	1963		
Klein	Felix	1880	1925	IUT	Meikleham	Robert Stuart	1809	1884	IUT
Kleyer	Adolph	?	?	IUT	Mesaroş-Anghel	Voicu	1786	1871	IUT
Klose	Johannes	31/12/	?	IUT	Meyer zur Capellen	Walthar Fritz	1950	-	IUT
Knechtel	Paul	1932			Meyer zur Capellen	Heinrich	16/05/	21/04/	IUT
Koch	Richert /von	?	?	IUT	Meyer zur Capellen	Fritz	1902	1985	
Koch	Jacobus Johannes	16.07.	?	IUT	Militaru	Rodica	26/04/	?	IUT
König	Martin	1897	1942		Militaru	Rodica	1937		
Königslöw	A. /von	?	?	IUT	Mittag	Gerhard	1955	-	IUT
Kopp	Franz Otto	?	?	IUT	Modler	Karl-Heinz	?	?	IUT
Kordi	Mohannad Tarsha	?	?	IUT	Mongé	Gaspard	29/12/	-	IUT
Kossmann	Martin	10/05/	?	IUT	Morin	Arthur Jules	1944		
Kramer	Rolf	1982			Morin	Arthur Jules	1746	1818	IUT
Kraus	Robert Adolf	?	?	IUT	Mörl	Falk	1795	1880	IUT
Krause	Werner	17.06.	?	IUT	Moseley	Henry	1975	-	IUT
Kreff	Mathias	1898			Müglitz	Jörg	1801	1872	IUT
Krumm	Herbert	19/04/	-	IUT	Muirhead	James Patrick	1959	?	IUT
Kuhlenkamp	Alfred	1937			Müller	Jörg	1813	1898	IUT
Kunad	Günther	04/06/	07/08/	IUT	Müller	Jörg	01/02/	1997	IUT
Kurfürst	K.	1936	2000		Müller	Wolfgang	?	?	IUT
Kurrer	Karl-Eugen	?	?	IUT	Müller	Rainer	03/11/	?	IUT
Kyser	Herbert	1952	-	IUT	Müller	Jörg	1963		
Laboulaye	Charles Pierre	1881	1954	IUT	Müller	Jörg	16/08/	?	IUT
Lagrange	Joseph Louis de	1813	1886	IUT	Müller	Herbert W.	1963		
Laitko	Hubert	?	?	IUT	Müller-Wille	Staffan	1914	-	IUT
Landfriedt	Ernst	?	?	IUT	Navier	Claude-Louis-	1964	-	IUT
Landgraf	Günther	14/09/	12/01/	IUT	Navier	Marie-Henri	1785	1836	IUT
Lautenschläger		1928	2006		Nefzi	Marwene	?	?	IUT
Lefevre	Léon	?	?	IUT	Neumann	Rudolf	28/02/	-	IUT
Leitzmann	Hermann	?	?	IUT	Neumann	Rudolf	1931		
Lenk	Erich	?	?	IUT	Newton	Isaac	1643	1727	IUT
Lichtenheldt	Willibald	30/10/	01/11/	IUT	Osten-Sacken	Ernst von der	20/01/	-	IUT
Lilienthal	Otto	1901	1980		Osten-Sacken	Ernst von der	1937		
Lin	Song	1848	1896	IUT	Pascal	Ernesto	07.02.	25/01/	IUT
Linde	Carl von	07/07/	-	IUT	Pascal	Blaise	1865	1940	
Linke	Heinz	1957			Pascal	Blaise	1623	1662	IUT
Lohe	Rainer	1842	1934	IUT	PavlovićNenad D.	Nenad D.	02/03/	-	IUT
Lohr	Wolfgang	24/02/	-	IUT	PavlovićNenad D.	Nenad D.	1950		
Lonij	Guido	1935			Peaucellier	Charles Nicholas	1832	1913	IUT
Luck	Kurt	?	?	IUT	Perju	Dan	1935	-	IUT
Lyk	Rudolf	?	?	IUT	Petersen	Julius	1839	1910	IUT
Majschak	Jens-Peter	1901	1980		Petrovi?	Tomislav	?	?	IUT
Mărgineanu	Dan	1848	1896	IUT	Pfefferkorn	Henning	14/10/	?	IUT
Marum	Martinus/van	07/07/	-	IUT	Plesken	W.	1946		
Matthes	Jörg	1957			Plitea	Nicolae	?	?	IUT
Mauersberger	Klaus	1842	1934	IUT	Poiseuille	Jean Léonhard	12/02/	-	IUT
Maxwell	James Clerk	24/02/	-	IUT	Poiseuille	Jean Léonhard	1939		
		1935			Poisson	Siméon Denis	1797	1869	IUT
		?	?	IUT	Polhem	Christopher	1781	1840	IUT
		1971	?	IUT	Poncelet	Jean Victor	1661	1751	IUT
		?	?	IUT	Popov	Valentin L.	1788	1867	IUT
		21/03/	-	IUT	Progin	Xavier	1970	-	IUT
		1931			Punga	Franklin	?	1833	IUT
		?	?	IUT	Raatz	Annika	29.09.	15/05/	IUT
		1962	?	IUT	Rankine	William John	1879	1962	
		1960	-	IUT	Rath	Macquorn	?	?	IUT
		1750	1837	IUT	Rath	Walter	1820	1872	IUT
		?	?	IUT	Rauh	Kurt	01/03/	?	IUT
		26/04/	-	IUT			1933		
		1950					06.12.	18/04/	IUT
		1831	1879	IUT					

		1897	1952		Thompson	Silvanus Phillips	1851	1916	IUT
Räumschüssel	Erich	?	?	IUT	Thue	Axel	1863	1922	IUT
Reach	T. Chr. F.	?	?	IUT	Thünker	Norbert	?	?	IUT
Reber	Jörg	?	?	IUT	Thurston	Robert Henry	1839	1903	IUT
Rehwald	Willi	14/12/ 1917	-	IUT	Todhunter	Isaac	1820	1884	IUT
Reinsberg	Karl-Heinz	?	?	IUT	Tränkner	Gottfried	06/06/ 1907	02/08/ 1996	IUT
Reis	Johann Philipp	1834	1874	IUT	Tredgold	Thomas	1788	1829	IUT
Richter	Siegfried Helmut	04/10/ 1938	03/07/ 2005	IUT	Uhland	Wilhelm Heinrich	184	1907	IUT
Richter	Eckard-Rüdiger	?	?	IUT	Ulbricht	Volker	17/07/ 1949	-	IUT
Richter	Jörg	?	?	IUT	Voigt	Gustav	?	?	IUT
Riedler	Alois	1850	1936	IUT	Volmer	Johannes	19/01/ 1930	?	IUT
Rischen	Karl-Albert	13/12/ 1930	?	IUT	Vonderlinn	Jakob	?	?	IUT
Roberts	Samuel	1827	1913	IUT	Voss	Albert	?	?	IUT
Robison	John	1739	1805	IUT	Wadewitz	Clemens	1962	?	IUT
Rößner	Wolfgang	27/06/ 1914	26/04/ 2001	IUT	Watt	James	1736	1814	IUT
Sandner	Wolfgang	1940	-	IUT	Wehn	Volker	1959	?	IUT
Saulescu	Radu Gabriel	1976	-	IUT	Weitzel	Carl Georg	1843	1927	IUT
Schaeffer	Thomas	?	?	IUT	Whitworth	Joseph	1803	1887	IUT
Schilling	Cornelius	?	?	IUT	Wilke	Helmut	?	?	IUT
Schilling	Erhard Erich	?	2011	IUT	Willis	Robert	1800	1875	IUT
Schipmann	W.	?	?	IUT	Wommelsdorf	Heinrich	14.01. 1877	29/01/ 1945	IUT
Schipmann	Hanns	?	?	IUT	Woolrich	A.P.	?	?	IUT
Schmidt	Georg	02.04. 1871	13/03/ 1955	IUT	Wright	Orville	1871	1948	IUT
Schmidt	Karl	1885	1959	IUT	Wright	Wilbur	1867	1912	IUT
Schmidt	Andreas	?	?	IUT	Wurmus	Helmut	19/01/ 1940	-	IUT
Schön	G.	?	?	IUT	Zachau	Henning	09/01/ 1932	?	IUT
Schönherr	Jürgen	19/10/ 1954	31/12/ 2000	IUT	Zeiß	Carl	1816	1888	IUT
Schopen	Michael	1957	-	IUT	Zeppelin	Graf Ferdinand von	1838	1917	IUT
Schorcht	Hans-Jürgen	11/01/ 1940	-	IUT	Zeuthen	Hieronimus G.	1839	1920	IUT
Schouten	P.	?	?	IUT	Ziegenhorn	Matthias	1956	-	IUT
Schraut	Rolf	13/09/ 1940	-	IUT	Ziolkowski	Konstantin Eduardowitsch Otto	1857	1935	IUT
Schreiber	Erhard	1939	?	IUT	Zipperlin		18.10. 1886	?	IUT
Schrön	Erhard	?	?	IUT	Živković	Života	12/11/ 1941	-	IUT
Schulze	K.	?	?	IUT	Zöppig	Veit	?	?	IUT
Sieker	Karl-Heinz	25/03/ 1905	13/02/ 1982	IUT	Alexandru	Catalin	1967		UPT
Soetebier	Sven	?	?	IUT	Andronescu	Plautius	1893	1976	UPT
Sommer	Jürgen	22/06/ 1942	-	IUT	Anton	Viorica	1923	2004	UPT
Sonnemann	Rolf Paul Heinz	06/05/ 1928	-	IUT	Ardelean	Ioan	1951		UPT
Speiser	David	1926	?	IUT	Argesanu	Veronica	1953		UPT
Sperlich	Horst	1937	-	IUT	Bacaloglu	Emanuel	1830	1891	UPT
Spiess	Ludwig Otto	1878	1966	IUT	Bacria	Vasile	1941		UPT
Stephenson	George	1781	1848	IUT	Badarau	Eugen	1897	1975	UPT
Stephenson	Robert	1803	1859	IUT	Bakonyi	Coloman	1887	1970	UPT
Strach	Lothar	21/07/ 1930	?	IUT	Balan	Radu	1957		UPT
Strada	Jacobus	1507	1588	IUT	Banarescu	Marin	1890	1974	UPT
Strauchmann	Heinz	?	?	IUT	Bara	Mircea	1959		UPT
Sualem	Rennequin	1645	1708	IUT	Barbu	Ion	1895	1961	UPT
Sylvester	James Joseph	1814	1897	IUT	Barsan	Anca	1959		UPT
Taccola	Mariano di Jacopo detto	1382	1458	IUT	Barsan	Ioan-Lucian	1958		UPT
					Bereteu	Liviu	1951		UPT

Boleanu	Lazar	1921	1997	UPT	Myller	Vera	1880	1970	UPT
Budala	Adrian	1971		UPT	Myller	Alexandru	1879	1965	UPT
Budeanu	Constantin	1886	1959	UPT	Nadasan	Stefan	1901	1967	UPT
Carabas	Iosif	1956		UPT	Neagoe	Mircea	1966		UPT
Carabas	Tatiana	1957		UPT	Negut	Nicolae	1941		UPT
Cartianu	Gheorghe	1907	1982	UPT	Nicolau	Pompiliu	1891	1972	UPT
Ciupe	Valentin	1977		UPT	Nicolau	Alexandru	1880	1978	UPT
Ciurcu	Alexandru	1854	1922	UPT	Nicolescu	Miron	1903	1975	UPT
Coanda	Henri	1886	1972	UPT	Noveanu	Simona	1970		UPT
Coculescu	Nicolae	1866	1952	UPT	Odobleja	Stefan	1902	1978	UPT
Csibi	Vencel	1945		UPT	Onicescu	Octav	1892	1983	UPT
David	Emanuel	1854	1941	UPT	Parvulescu	Constantin	1890	1945	UPT
Davidescu	Arjana	1959		UPT	Pommersheim	Alfred	1944	2009	UPT
Dehelean	Liana	1960		UPT	Pompeiu	Dimitrie	1873	1954	UPT
Diaconu	Aurel	1951		UPT	Popa	Anca	1964		UPT
Dobra	Andreea	1962		UPT	Proca	Alexandru	1897	1955	UPT
Dolga	Valer	1951		UPT	Procopiu	Stefan	1890	1972	UPT
Dolga	Lia	1955		UPT	Radulescu	Corneliu	1946		UPT
Elie	Radu	1853	1931	UPT	Radulet	Remus Baziliu	1904	1984	UPT
Fenchea	Mircea	1956		UPT	Saligny	Anghel	1854	1925	UPT
Gavrila	Cornel Catalin	1971		UPT	Savescu	Dan	1954		UPT
Gheorghiu	Nicolae	1928	1999	UPT	Savii	George	1949		UPT
Gheorghiu	Sorin	1885	1968	UPT	Stan	Sergiu	1980		UPT
Gligor	Octavian	1934		UPT	Staretu	Ionel	1957		UPT
Gogu	Constantin	1881	1965	UPT	Sticlaru	Carmen	1965		UPT
Grigorescu	Sanda	1958		UPT	Stroe	Ioan	1951		UPT
Gruescu	Corina	1959		UPT	Sudan	Gabriel	1899	1977	UPT
Hlusu	Mihai	1957		UPT	Tanasescu	Tudor	1901	1961	UPT
Huidan	Livia	1951		UPT	Tatar	Olimpiu	1969		UPT
Hulubei	Horia	1896	1972	UPT	Teclu	Nicolae	1839	1916	UPT
Hurmuzescu	Dragomir	1865	1954	UPT	Teodorescu	Adriana	1957		UPT
Ianosi	Endre	1975		UPT	Teodorescu	C. Constantin	1892	1972	UPT
Ioanovici	Francisc	1950		UPT	Titeica	Gheorghe	1873	1939	UPT
Jaliu	Codruta	1964		UPT	Vacarescu	Valeria	1952		UPT
Jula	Mihaela	1952		UPT	Valcovici	Victor	1885	1970	UPT
Kovacs	Francisc	1929	2009	UPT	Vasilescu Karpen	Nicolae	1870	1964	UPT
Lalescu	Traian	1882	1929	UPT	Vatau	Steliana	1979		UPT
Lates	Tiberiu Mihai	1974		UPT	Velicu	Radu	1966		UPT
Leonida-Zamfirescu	Eliza	1887	1973	UPT	Vlaicu	Aurel	1886	1913	UPT
Lovasz	Erwin-Christian	1967		UPT	Vranceanu	Gheorghe	1900	1979	UPT
Luchin	Milenco	1950		UPT	Vuia	Traian	1872	1950	UPT
Madaras	Lucian	1941		UPT	Zabava	Eugen	1978		UPT
Maior	Augustin	1822	1964	UPT	Zaganescu	Ioan	1903	1989	UPT
Mandru	Dan	1962		UPT	Abollado aribau	carlos	1902	1991	UBC
Maniu	Inocentiu	1952		UPT	Aginaga	Jokin	1978		UBC
Manolescu	Nicolae Ioan	1907	1993	UPT	Agulló de la Escosur	Ventura			UBC
Maracineanu	Stefania	1882	1944	UPT	a				
Margineanu	Eugenia	1959		UPT	Alfaro y Fournier	Jesus	1895	1961	UBC
Mateas	Marius	1960		UPT	Algué	José Maria	1856	1930	UBC
Maties	Vistrian	1947		UPT	Alonso-Viguera	José María	1900	1974	UBC
Mesaros-Anghel	Tamara	1950		UPT	Álvarez Ruiz	Adrian	1884	1950	UBC
Miculescu	Constantin	1863	1937	UPT	Bacas Montero	Darío	1845	1913	UBC
Militaru	Cornel	1955		UPT	Barreiros	Eduardo	1919	1992	UBC
Moisil	Grigore	1906	1973	UPT	Bartolomeu	Lourenço	1685	1724	UBC
Moldovean	Gheorghe	1947		UPT	Campa Gómez	Francisco Javier	1980		UBC

Cantero Villamil	Federico	1874	1946	UBC	Goicoechea Omar	Alejandro	1895	1984	UBC
Careaga y Basabe	Pilar	1907		UBC	Gonzalez Camarena	Guillermo	1917	1965	UBC
Castañeda Chornet	José	1900		UBC	González Hontoria	José	1840	1889	UBC
Cebrián Martínez	Clemente José	1909		UBC	González Nontoria	Diego			UBC
Cervera Baviera	Julio	1854	1929	UBC	Herrera Linares	Emiliano	1879	1967	UBC
Chávarri y Salazar	Victor Francisco	1854	1900	UBC	Ibn Firis	Abbás	810	887	UBC
Colino López	Antonio Manuel	1914		UBC	Iribarren Cavanilles	Ramón	1900	1967	UBC
Colomina Raduán	Emilio	1862	1934	UBC	Jalón Corominas	Manuel	1925		UBC
Cornet i Mas	Josep Maria	1839	1916	UBC	La porte Saenz	Ernesto	1905		UBC
Daza Gómez	Manuel	1853		UBC	Laffite Martínez	Carlos	1883	1978	UBC
de Aguirre	José Urbano	1888	1957	UBC	Lerena y Berry	Juan José	1796	1866	UBC
Guisasola					Leret Ruiz	Virgilio	1902	1936	UBC
de Aguirre	Miguel	1878		UBC	Lobato	Francisco			UBC
Guisasola	Jose María	1885		UBC	López Peñalver	Juan			UBC
de Alzate y Ramírez	José Antonio	1737	1799	UBC	Macho Mier	Erik	1979		UBC
de Alzola y	Pablo	1841	1912	UBC	Madariaga Casado	José María de	1853	1934	UBC
Minondo					Marin Aguilera	Diego	1757	1799	UBC
De Ayanz y	Jerónimo	1553	1613	UBC	Martinez Marín	Jose Antonio			UBC
Beaumont					Mataix aracil	carlos	1880	1961	UBC
de Borja Ricart		1897	1974	UBC	Medina	Enrique	1912		UBC
Medina					Mendiguren	Bruno	1910	1950	UBC
de Bustinduy y	Nicolás	1849	1928	UBC	Mendiluce Rosich	Enrique	1913		UBC
Vergara					Montes Iñiguez	Jose	1910		UBC
de Churruca y	Evaristo	1841	1917	UBC	Monturiol y	Narciso	1819	1885	UBC
Brunet					Estariol				
De Echevarría y	Federico	1840	1932	UBC	Morillo Farfán	José	1942		UBC
Rotaache					Orbegozo	José	1870	1932	UBC
De Echevarría y	Federico	1900	1967	UBC	Goróstegui				
Rotaache					Palacio	Alberto			UBC
de Gusmão	Bartolomeu Lourenço	1685	1724	UBC	Palacios Martínez	Julio	1891	1970	UBC
de la Cierva	Juan	1895	1936	UBC	Peral y Caballero	Isaac	1851	1895	UBC
de la Sagra	Ramón			UBC	Pinto Cámara	Charles	1969		UBC
De Madariaga y	José María	1853	1934	UBC	Puig adam	Pedro	1900	1960	UBC
Casado					Rey Pastor	Julio	1888	1962	UBC
de Sendagorta y	José Manuel	1928	1998	UBC	Ricart Medina	Wifredo	1897	1974	UBC
Aramburu					Rotaache Velasco	Ignacio	1888	1951	UBC
de Ulloa	Antonio	1716	1795	UBC	Rovira y Rabassa	Antonio	1845	1919	UBC
de Zafra y Esteban	Juan Manuel			UBC	Salva y Campillo	Francisco	1751	1828	UBC
de Zubiría e Ibarra	Tomás			UBC	Sotoredondo	Manuel	1882		UBC
De Artigas Sanzjosé	Antonio	1887	1977	UBC	Suanzes Fernandez	Juan Antonio			UBC
De la Sierra	Fermin	1912		UBC	Terradas i Illa	Esteban	1883	1950	UBC
De Lamadrid Martin	Adelardo	1908		UBC	Tombelle Gabalda	Federico	??	??	UBC
ez					Toran de la rad	alfonso	1886	1944	UBC
De Oriol y Urquijo	Jose Maria	1905		UBC	Toran Tomas	Angel	1925	1999	UBC
Delclaux Arostegui	Isidoro	1894	1984	UBC	Torres Quevedo	Leonardo	1852	1936	UBC
Díez Sánchez	Mikel	1982		UBC	Torroja y Miret	Eduardo			UBC
Echegaray y	José	1832	1916	UBC	Torrontegui Ibarra	Leandro José	1888	1977	UBC
Eizaguirre					Urizar Arana	Mónica	1982		UBC
Echevarrieta Maruri	Horacio	1870	1963	UBC	Usabiaga Lasquibarj	pedro Miguel	1879	1953	UBC
Echeverría y Ugarte	Lucas	1831	1891	UBC	uan				
Estevez Varela	Arturo			UBC	Verea García	Ramón Silvestre	1833	1899	UBC
Faray	Blaseo			UBC	Vicuña Lazcano	Gumersindo	1840	1882	UBC
Fernández Reguero	Ramón	1775	1840	UBC	Villarreal de Bériz	Pedro Bernardo	1669	1740	UBC
Flores Posada	Juan	1862	1934	UBC	y Santacilia	Jorge Juan	1713	1773	UBC
Fournier	Heraclio Alfaro	1893	1962	UBC	Zara Pont	Antonio	17??	17??	UBC
Fustel de la Media	Emilio	1929		UBC	Zuloaga	Oscar	1893		UBC
García Saez	Cosme	1818	1874	UBC					
Goded Chavarría	Federico			UBC					

Abel	Thomas	?	?	IFMA	Diancourt	Joseph-Albert	?	?	IFMA
Abel	Dirk	10/09/1958	?	IFMA	Dugald	Clerk	1854	1932	IFMA
Ader	Clément	1841	1925	IFMA	Duhamel du Monceau	Henri Louis	1700	1782	IFMA
Armengaud	Charles	1813	1893	IFMA	Duhem	Pierre	1861	1916	IFMA
Arnoux	Jean-Claude-Républicain	1792	1866	IFMA	Dunlop	John	1840	1921	IFMA
Barber	John	1734	1801	IFMA	Dupuy de Lome	Henri	1816	1885	IFMA
Beau de Rochas	Alphonse	1815	1893	IFMA	Dussaulx	Charles	1835	1919	IFMA
Belin	Édouard	1876	1963	IFMA	Edoux	Félix-Léon	1827	1910	IFMA
Benoit	Charles	1949		IFMA	Eiffel	Gustave Alexandre	1832	1923	IFMA
Berges	Aristide	1833	1904	IFMA	Erard	Sébastien	1752	1831	IFMA
Bertin	Louis-Emile	1840	1924	IFMA	Ericson	John	1803	1889	IFMA
Bich	Marcel	1914	1994	IFMA	Fabre	Henri	1882	1984	IFMA
Blenkinsop	John	1783	1831	IFMA	Farcot	Joseph	1824	1908	IFMA
Bleriot	Louis	1872	1936	IFMA	Fasano	Jean	1848	1924	IFMA
Booth	Hubert Cecil	1871	1955	IFMA	Fontaine-Baron	Pierre	?	?	IFMA
Bouton	George	1847	1938	IFMA	Forest	Fernand	1851	1914	IFMA
Bramah	Joseph	1748	1814	IFMA	Foucault	Léon	1819	1868	IFMA
Branly	Edouard	1844	1940	IFMA	Foullon	Abel	1514	1563	IFMA
Breguet	Abraham-Louis	1747	1823	IFMA	Fourneyron	Benoit	1802	1867	IFMA
Budding	Edwin	1796	1846	IFMA	Fox	James	1789	1859	IFMA
Burdin	Claude	1788	1873	IFMA	Gambey	Henri	1787	1847	IFMA
Cailletet	Louis-Paul	1832	1913	IFMA	Garn	Michael	?	?	IFMA
Calla	Etienne	?	?	IFMA	Gaspard-Clair de Prony	François-Marie	1755	1839	IFMA
Carmien	Pierre	1834	1907	IFMA	Gerard	Célestin	1821	1885	IFMA
Caron de Beaumarchais	Pierre Augustin	1732	1799	IFMA	Giffard	Henri	1825	1882	IFMA
Cave	François	1794	1875	IFMA	Godart	Phillippe	?	?	IFMA
Chappe	Claude	1763	1805	IFMA	Gonod	Benoit	?	?	IFMA
Chazallan	Rémi	?	?	IFMA	Grusenmeyer	André	1840	1905	IFMA
Citroen	Gustave-André	1878	1935	IFMA	Guibal	Théophile	1814	1888	IFMA
Cockerell	Gustaf	1910	1999	IFMA	Guilmet	André	?	?	IFMA
Cornu	Paul	1881	1944	IFMA	Halette	Alexis	1788	1846	IFMA
Cotton	Aimé	1869	1951	IFMA	Hancock	Walter	1799	1852	IFMA
Couvreux	Alphonse	1820	1890	IFMA	Heilmann	Jean-Jacques	1853	1922	IFMA
Crompton	Samuel	1753	1827	IFMA	Hugon	Pierre	?	?	IFMA
Cros	Charles	1842	1888	IFMA	Huguenard	Eugène	1900	?	IFMA
Cugnot	Nicolas-Joseph	1725	1804	IFMA	Jacquard	Joseph-Marie	1752	1834	IFMA
Damblanc	Louis	1889	1969	IFMA	Janvier	Antide	1751	1835	IFMA
Daveluy	René	1863	1939	IFMA	John	Frédéric-Daniell	?	?	IFMA
de Caus	Salomon	1576	1626	IFMA	Jouffroy d'Abbans	Claude François	?	?	IFMA
de Colmar	Charles Xavier Thomas	1885	1870	IFMA	Kegresse	Adolphe	1879	1943	IFMA
de Coulomb	Charles	1736	1806	IFMA	Krebs	Athur Constantin	1850	1935	IFMA
de Dion-Bouton	Jules Albert	1856	1946	IFMA	Krebs	Louis	1886	1944	IFMA
de Dombasle	Christophe-Joseph-Alexandre	1777	1843	IFMA	Lallier	Jean-Etienne	1830	?	IFMA
de Girard	Philippe	1775	1845	IFMA	Landré	Corneille Louis	?	?	IFMA
de Jouffroy d'Abbans	Claude-Dorothee	1751	1832	IFMA	Lartigue	Charles	1834	1907	IFMA
de Laval		1845	1913	IFMA	Lassimone	Bernard	?	?	IFMA
de Vaucanson	Jacques	1709	1782	IFMA	Le Bris	Jean-Marie	1817	1872	IFMA
Debain	Alexandre-François	1809	1877	IFMA	Le Chatelier	Louis	1815	1873	IFMA
Delamarre-Deboutteville	Edouard et Malandin	1856	1901	IFMA	Le Prieur	Yves	1885	1963	IFMA
Denhaut	Léon	1877	1952	IFMA	Lebon	Philippe	1767	1804	IFMA
Deport	François	1877	1952	IFMA	Leduc	René	1898	1968	IFMA
	Joseph-Albert	1846	1926	IFMA	Legros	René	1872	1954	IFMA
					Lemoine	L	?	?	IFMA
					Lenoir	Etienne	1822	1900	IFMA

Leturc		?	?	IFMA	Suriray	Jules Pierre	?	?	IFMA
Levassor	Emile	1841	1908	IFMA	Theodore	Olivier	1793	1853	IFMA
Liegeard	Gaston	1867	1953	IFMA	Thimonnier	Barthélemy	1793	1857	IFMA
Lorin	René	1877	1933	IFMA	Thomas de Colmart	Charles-Xavier	1785	1870	IFMA
Loubeyre	Jean	1895		IFMA	Thomson	William	1824	1907	IFMA
Lumiere	Louis	1864	1948	IFMA	Tiranty	Philippe	1883	1973	IFMA
Mallet	Anatole	1837	1919	IFMA	Treuille de Beaulieu	Antoine	1809	1886	IFMA
Marinoni	Hippolyte-Auguste	1823	1904	IFMA	Trevithick	Richard	1771	1833	IFMA
Martin	Désiré	1822	1894	IFMA	Violet	Marcel	1886	1973	IFMA
Massiquot	Guillaume	1797	1870	IFMA	Wheatstone	Wheatstone	1802	1875	IFMA
Maudslay	Henry	1771	1831	IFMA	White		?	?	?
Mauzin	André	1901	1995	IFMA	Wilkinson	John	1728	1808	IFMA
Meikle	Andrew	1719	1811	IFMA	Woolf	Arthur	1766	1837	IFMA
Messier	George	1896	1933	IFMA	Agricola	Georg	1494	1555	RWTH
Michelin	Edouard	1859	1940	IFMA	Amsler	Alfred	1857	1940	RWTH
Millet	Félix-Théodore	?	?	IFMA	Aronhold	Siegfried	1819	1884	RWTH
Montgolfier	Joseph-Michel	1740	1810	IFMA	Auerbach	Felix	1856	1933	RWTH
Montgolfier	Frères	1740- 1745	1810- 1799	IFMA	Autenrieth	Edmund von	1842	1910	RWTH
Murdoch	William	1754	1839	IFMA	Bachmann	Paul	1837	1920	RWTH
Nasmyth	Charles	1808	1890	IFMA	Beck	Theodor	1839	1917	RWTH
Nasmyth	James	1808	1890	IFMA	Bernoulli	Daniel	1700	1782	RWTH
Newcomen	Thomas	1663	1729	IFMA	Bernoulli	Johann	1667	1748	RWTH
Niepce	Joseph	1765	1798	IFMA	Bernoulli	Jakob	1655	1705	RWTH
Oldham	John	1779	1840	IFMA	Bernoulli	Nicolas	1695		RWTH
Palis	Gust.	?	?	IFMA	Bobek	Karl Joseph	1855	1899	RWTH
Panhard	René	?	?	IFMA	Böckler	Georg Andreas	1617	1687	RWTH
Pape	J	?	?	IFMA	Borchardt	Carl Wilhelm	1817	1880	RWTH
Papin	Denis	1647	1712/1 714	IFMA	Börckel	Alfred	1851	1928	RWTH
Parsons	Charles	1854	1931	IFMA	Braun	Ferdinand	1850	1918	RWTH
Parsons	Christopher	1854	1931	IFMA	Braune	Christian Wilhelm	1831	1892	RWTH
Pecqueur	Onésiphore	1792	1852	IFMA	Bretschneider	Carl Anton	1808	1878	RWTH
Penaud	Alphonse	1850	1880	IFMA	Bruns	Heinrich	1848	1919	RWTH
Perreaux	Louis-Guillaume	1816	1889	IFMA	Burkhardt	Heinrich	1861	1914	RWTH
Personne de Roberval	Gilles	1602	1675	IFMA	Burmester	Ludwig	1840	1927	RWTH
Peugeot	Jean-Frédéric	1758	1862	IFMA	Calvör	Henning	1686	1766	RWTH
Philippe	E.	?	?	IFMA	Classen	Johannes Wilhelm	1864	1928	RWTH
Poinsot	Louis	1777	1859	IFMA	Clebsch	Alfred	1833	1872	RWTH
Ponton d'Amecourt	Gustave	1825	1888	IFMA	Cranz	Heinrich	1856	1926	RWTH
Rateau	Auguste Camille Edmond	1863	1930	IFMA	Damert	Heinrich	1836	1904	RWTH
Redier	Antoine	1817	1892	IFMA	Dannemann	Friedrich	1859	1936	RWTH
Renard	Charles	1847	1905	IFMA	Dölp	Heinrich	1828	1874	RWTH
Renault	Louis	1877	1944	IFMA	Drach	Karl Alhard von	1839	1915	RWTH
Renouard de Velay	Jean-Jacques	?	?	IFMA	Durège	Heinrich	1823	1893	RWTH
Reynaud	Emile	1844	1918	IFMA	Eisenlohr	Wilhelm	1799	1872	RWTH
Robert	Louis-Nicolas	1761	1828	IFMA	Euler	Leonhard	1707	1783	RWTH
Saint-Hilaire	Gilles	1948		IFMA	Fischer	Otto	1861	1916	RWTH
Sauvage	Pierre Louis Frédéric	1786	1857	IFMA	Fischer-Benzon	Rudolph von	1839	1911	RWTH
Savery	Thomas	~1650	1715	IFMA	Föppl	August	1854	1924	RWTH
Seguin	Marc	1786	1875	IFMA	Frick	Joseph	1806	1875	RWTH
Sensaud de Lavaud	Dimitri	1882	1947	IFMA	Ganter	Heinrich	1848	1915	RWTH
Serpolet-Peugeot	Léon	1858	1907	IFMA	Gauß	Carl Friedrich	1777	1855	RWTH
Sommeiller	Germain	1815	1871	IFMA	Graetz	Leo	1856	1941	RWTH
					Grashof	Franz	1826	1893	RWTH
					Grawinkel	Carl	1845	1984	RWTH
					Grübler	Martin	1851	1935	RWTH

Haarmann	Hermann Justus	1877	1938	RWTH	Schickard	Wilhelm	1592	1635	RWTH
Hammer	Ernst	1858	1925	RWTH	Schlesinger	Ludwig	1864	1933	RWTH
Häntzschel	Clairmont Walter	1856		RWTH	Schlömilch	Oskar	1823	1901	RWTH
Heger	Richard	1846	1919	RWTH	Schubert	Hermann	1848	1911	RWTH
Heinke	Curt	1864	1942	RWTH	Schubert	Johann Andreas	1808	1870	RWTH
Heis	Eduard	1806	1877	RWTH	Simon	Max	1844	1918	RWTH
Helmholtz	Hermann von	1821	1984	RWTH	Slotte	Karl F.	1848	1914	RWTH
Hesse	Ludwig Otto	1811	1874	RWTH	Stern	Moritz A.	1807	1894	RWTH
Hobart	Henry M.	1868	1946	RWTH	Sturm	Leonhard Christoph	1669	1719	RWTH
Holborn	Ludwig	1860	1926	RWTH	Thomae	Johannes	1840	1921	RWTH
Hölder	Otto	1859	1937	RWTH	Wagener	August	1865	1913	RWTH
Hülse	Julius Ambrosius	1812	1876	RWTH	Wangerin	Albert	1844	1933	RWTH
Kapp	Gisbert	1852	1922	RWTH	Weisbach	Julius Ludwig	1806	1871	RWTH
Karmarsch	Karl	1803	1879	RWTH	Zech	Paul	1828	1893	RWTH
Kohlrausch	Friedrich	1840	1910	RWTH	Zeising	Heinrich		1613	RWTH
Korn	Arthur	1870	1945	RWTH	Zeuner	Gustav	1828	1907	RWTH
Krämer	Josef	1849	1902	RWTH	Zimmermann	Hermann	1845	1935	RWTH
Krause	Martin	1851	1920	RWTH	Abarth	Karl	1908	1979	UCAS
Krell	Otto	1866	1938	RWTH	Agnelli	Giovanni	1866	1945	UCAS
Kummer	Ernst Eduard	1810	1893	RWTH	Agnelli	Giovanni	1921	2003	UCAS
Kunzek	August	1795	1865	RWTH	Agusta	Giovanni	1879	1927	UCAS
Küpper	Karl	1828	1900	RWTH	Alberti	Leon battista	1404	1472	UCAS
Kurz	August	1835	?	RWTH	Alberti	Alberto	1525/2	1598	UCAS
Kutzbach	Karl	1875	1942	RWTH			6		
Langsdorf	Karl Christian von	1757	1834	RWTH	Alberti	Giuseppe Antonio	1712	1768	UCAS
Ledebur	Adolf	1837	1906	RWTH	Aleotti	Giovan Battista	1546	1636	UCAS
Lejeune Dirichlet	Peter Gustav	1805	1859	RWTH	Allievi	Lorenzo	1856	1941	UCAS
Lempe	Johann Friederich	1757	1801	RWTH	Amaldi	Edoardo	1908	1989	UCAS
Leupold	Jakob	1674	1727	RWTH	Amaldi	Ugo	1875	1957	UCAS
Lewald	Theodor	1860	1947	RWTH	Ananthasuresh	G.K.			UCAS
Liebmann	Heinrich	1874	1939	RWTH	Anastasi	Anastasio	1877	1969	UCAS
Lorenz	Hans	1865	1940	RWTH	Ancona	Ugo	1867	1936	UCAS
Mach	Ernst	1838	1916	RWTH	Angeles	Jorge			UCAS
Maurer	Ludwig	1859	1927	RWTH	Anonimo	della Guerra Ussita	XV		UCAS
Mewes	Rudolf	1858	?	RWTH	Anonimo	di Monaco	?	?	UCAS
Molier	Richard	1863	1935	RWTH	Ansaldo	Giovanni	1815	1859	UCAS
Müller	Reinhold	1857	1939	RWTH	Antemio di Ttralle		474	534	UCAS
Netto	Eugen	1846	1919	RWTH			A.D		
Otto	Nikolaus	1832	1891	RWTH	Apiano	Pietro	1495	1552	UCAS
Poggendorff	Johann C.	1796	1877	RWTH	Apollodoro	di Damasco	50/60	130	UCAS
Pohlhausen	August	1860	1938	RWTH	Apollonio	di Perge	262	190	UCAS
Poseleger	Friedrich Theodor	1771	1838	RWTH			a.C.	a.C.	
Prechtel	Johann Joseph von	1778	1854	RWTH	Archimede		287	212	UCAS
Pund	Otto Friedrich	1867	1908	RWTH			a.C.	a.C.	
	Martin				Archita		428	347	UCAS
Radinger	Johann Friedrich	1842	1901	RWTH			a.C	a.C	
	von				Aristarco	di Samo	310	230	UCAS
Redtenbacher	Ferdinand	1809	1863	RWTH			a.C.	a.C.	
Reuleaux	Franz	1829	1905	RWTH	Armstrong	William George	1810	1900	UCAS
Rittershaus	Hermann Trajan	1843	1899	RWTH	Artemone	di Clazomene	499	428	UCAS
Rohr	Moritz von	1868	1940	RWTH			a.C.	a.C.	
Rudio	Ferdinand	1856	1929	RWTH	Artobolevskii	Ivan I.			UCAS
Rühlmann	Moritz	1811	1896	RWTH	Assur	Leonid V.	1878	1920	UCAS
Ryff	Walther Hermann	1500	1548	RWTH	Ateneo				UCAS
Schafheitlin	Paul	1861	1924	RWTH	Austin	Herbert	1866	1941	UCAS
Schellen	Heinrich	1818	1884	RWTH	Averlino	Antonio Francesco	1400	1469	UCAS
					Babbage	Charles	1791	1871	UCAS
					Baldi	Bernardino	1553	1617	UCAS

Ball	Robert Stawell	1840	1913	UCAS	Cattaneo	Pietro	1500	1572	UCAS
Banu	Musa	IX cent		UCAS	Cavaliere	Bonaventura	1598	1647	UCAS
Barbaro	Daniele	1514	1570	UCAS	Cavaliere Ducati	Antonio	1855	1927	UCAS
Bartoli	Cosimo	1503	1572	UCAS	Cavalli	Giovanni	1808	1879	UCAS
Bartolomeo	Neroni	1500	1571	UCAS	Cavalli	Ernesto	1852	1911	UCAS
Battaglini	Giuseppe	1826	1894	UCAS	Cayley	Arthur	1821	1895	UCAS
Becher	Gian Giacomo	1635	1685	UCAS	Cayley	George	1773	1857	UCAS
Beda	il venerabile	672	735	UCAS	Ceccarelli	Marco	1958		UCAS
Belforte	Guido	1942		UCAS	Ceneri	Angelo Maria	?	?	UCAS
Belgaumkar	B.M.			UCAS	Cerruti	Ugo	?	?	UCAS
Bell	Giovanni			UCAS	Cerruti	Valentino	1850	1909	UCAS
Bellavitis	Giusto	1803	1880	UCAS	Cesariano	Cesare	1475	1543	UCAS
Benedetti	Giovan Battista	1530	1590	UCAS	Chebyshev Pafnuty	Lvovich	1821	1894	UCAS
Bennet	Geoffrey Thomas	1868	1943	UCAS	Chelini	Domenico	1802	1878	UCAS
Benz	Karl	1844	1926	UCAS	Chen	I-Ming	?	?	UCAS
Beretta	Bartolomeo	1490	1565	UCAS	Chen	Y.	?	?	UCAS
Beretta	Pietro	?	?	UCAS	Chersifrone				UCAS
Bernardi	Enrico Zeno	1841	1919	UCAS	Clavel	Raymond			UCAS
Bertola	Antonio Bartolomeo	1702	1789	UCAS	Codazza	Giovanni	1816	1877	UCAS
Bertone	Giovanni			UCAS	Colnago	Ernesto	1932		UCAS
Bertone	Nuccio	1914	1997	UCAS	Colombo	Giuseppe	1836	1921	UCAS
Bessnitzer	Ulrich	XVI cent		UCAS	Commandino	Federico	1509	1575	UCAS
Bessonov	Arcady P.			UCAS	Compton	Samuel	1753	1827	UCAS
Bianchi	Giuseppe	1888	1969	UCAS	Copernicus	Nicolaus	1473	1543	UCAS
Bianchi	Giovanni	?	?	UCAS	Cottier	Luis	1894	1966	UCAS
Bianchi	Edoardo	1865	1946	UCAS	Coulomb	Charles Augustin	1736	1806	UCAS
Bicker	Robert			UCAS	Ctesibius		296	228	UCAS
Biringucci	Vanoccio	1480	1537	UCAS	Alexandrinus		BC	BC	UCAS
Bitone				UCAS	Cuadrado	Javier			UCAS
Blasche	Wihelm	1885	1962	UCAS	da Milano	Aloisio	?	?	UCAS
Bobillier	E. Étienne	1798	1840	UCAS	da Sangallo	Antonio il Giovane	1484	1546	UCAS
Boninsegni	Domenico			UCAS	da Sangallo	Battista	1496	1548	UCAS
Borbone di	Carlo III			UCAS	da Treviso	Girolamo	1497	1544	UCAS
Borgnis	Giuseppe Antonio	1781	1863	UCAS	da Vigevano	Guido	1280	1349	UCAS
Borletti	Senatore	1880	1939	UCAS	Dallery	Charles	1754	1835	UCAS
Boscovich	Ruggero	1711	1787	UCAS	D'Angelo	Francesco	1458	1499	UCAS
Bottema	Oene	1901	1992	UCAS	Danti	Egnazio	1536	1586	UCAS
Bourguignon	P.			UCAS	Darrocq	Alexandre Pierre	1855	1931	UCAS
Boveri	Walter	1865	1924	UCAS	D'Ascanio	Corradino	1891	1981	UCAS
Bracciolini	Francesco	1380	1459	UCAS	d'Aurillac	Gerberto	940 ca	1003	UCAS
Branca	Giovanni	1571	1645	UCAS	Davidson	J. K.			UCAS
Breda	Ernesto	1852	1918	UCAS	Davitashvili	Nodar			UCAS
Bricard	Raoul	1870	1944	UCAS	de Bar Le Duc	Jean Errard	1554	1610	UCAS
Brunelleschi	Filippo	1377	1446	UCAS	de Betancourt y Molina	Agustín	1758	1824	UCAS
Cafiero	Famiglia armatori			UCAS	de Galles	Antonio	?	?	UCAS
Campagnolo	Gentullio/Tullio	1901	1983	UCAS	de Honnecourt	Villard	XII cent		UCAS
Capocaccia	Antonio Agostino	1901	1978	UCAS	de la Hire	Philippe	1640	1712	UCAS
Cappa	Scipione	1857	1910	UCAS	De Pace	Luigi			UCAS
Caproni	Giovanni Battista	1886	1957	UCAS	De Pace	Salvatore			UCAS
Carcano	Salvatore	1827	1903	UCAS	de Ursis	Sabatino	1575	1620	UCAS
Carraro	Antonio	?	?	UCAS	De Vito	Eugenio	1876	1958	UCAS
Casati	Paolo	1617	1707	UCAS	de' Servi	Armadio	?	?	UCAS
Castaldi	Mario	1888	1968	UCAS	Dedalo				UCAS
Cataneo	Girolamo	1564		UCAS	Del Monte	Guidobaldo	1545	1607	UCAS

dell'Abaco	Pietro	?	?	UCAS	Frolov	K.V.			UCAS
della Quercia	Iacopo	1374	1438	UCAS	Frontino				UCAS
della Valle	Sergio			UCAS	Fuga	Ferdinando	1699	1732	UCAS
della Volpaia	Benvenuto	1486	1532	UCAS	Funioli	Ettore	1923	2006	UCAS
D'Embser	Giovan Battista	1669	1726	UCAS	Gabor	Stepan			UCAS
Demetrio	Poliorcete	337	283	UCAS	Galletti	Carlo Ugo			UCAS
		a.C.	a.C.		Galli	Adriano	1904	1956	UCAS
Demiyanyushko	Irina			UCAS	Galli	Marco			UCAS
Di Giorgio Martini	Francesco	1439	1501	UCAS	Garcia-Prada	Juan Carlos			UCAS
di Jacopo	Mariano	1381	1458	UCAS	Gavrilenko	Vladimir			UCAS
di Viterbo	Dionisio	?	?	UCAS	Gemma Frisio	Rainer	1508	1555	UCAS
Diade				UCAS	Ghia	Giacinto	1887	1944	UCAS
Diana	Giorgio			UCAS	Ghiberti	Bonaccorso	1451	1516	UCAS
Diderot	Denis	1713	1784	UCAS	Ghigliazza	Rinaldo			UCAS
Dijksman	Evert Albertus	1934	presen t	UCAS	Gilera	Giuseppe	1887	1971	UCAS
Dionisio	d'Abido			UCAS	Giocondo	Fra' Giovanni	1433	1515	UCAS
Dionisio	d'Alessandria			UCAS	Giorgini	Gaetano	1795	1874	UCAS
Dondi	Jacopo	1293	1359	UCAS	Giovannozzi	Renato			UCAS
Dondi dell'Orologio	Giovanni	1330	1389	UCAS	Giugiario	Giorgio	1938		UCAS
Drais	Karl	1785	1851	UCAS	Giulio	Carlo Ignazio	1803	1859	UCAS
Duffy	Joseph	1926	2002	UCAS	Godfarb	Veniamin I.			UCAS
Durantino	Francesco Lucio	XV cent		UCAS	Goldfarb	Veniamin			UCAS
Durer	Albrecht	1471	1528	UCAS	Goodeve	Thomas Minchin	1821	1902	UCAS
Elder	John	1824	1869	UCAS	Gotlih	Karl			UCAS
Enea	il Tattico			UCAS	Graham	George	1674	1751	UCAS
Epimaco	l'Ateniese			UCAS	Grandi	Guido	1671	1742	UCAS
Eraclide di Taranto		IV Cen. B. C	III Cen.B. C.	UCAS	Grimaldi	Famiglia armatori			UCAS
					Guido	Angelo Raffaele			UCAS
Eratostene		275 a.C.	195 a.C.	UCAS	Guinot	JeanClaude			UCAS
Ericcson	John	1803	1889	UCAS	Guldin	Habakkuk	1577	1643	UCAS
Erskine Crossley	F.R.			UCAS	Guzzi	Carlo	1888	1964	UCAS
Euclide		323 a.C.	285 a.C.	UCAS	Hamilton	William	1788	1856	UCAS
Eupalino				UCAS	Hargreaves	James	1720	1778	UCAS
		VI secolo			Harrison	John	1693	1776	UCAS
Fabbri	Ottavio			UCAS	Haton de la Goullepierre				UCAS
Farina	Battista	1863	1966	UCAS	Hayashi	T.			UCAS
Farish	William	1759	1837	UCAS	Herder	Just L.			UCAS
Fawcett	J.N			UCAS	Heron	of Alexandria		1 st cent. BC	UCAS
Ferrari	Enzo	1898	1988	UCAS	Hiller	Manfred			UCAS
Ferraris	Galileo	1847	1897	UCAS	Hori	Yuko			UCAS
Ferretti	Pericle	1888	1960	UCAS	Horowitz	Alexandre	1914	1982	UCAS
Filemon	Elizabeth			UCAS	Huang	Tian			UCAS
Filone	d'Atene			UCAS	Hunt	K.H.			UCAS
Filone	di Bisanzio	280 a.C.	220 a.C.	UCAS	Innocenti	Ferdinando	1891	1966	UCAS
Fioravanti	Aristotele	1420	1486	UCAS	Ionescu	Theodor	1899	1988	UCAS
Florio	Vincenzo	1799	1868	UCAS	Ippodamo		438 a.C.	408 a.C.	UCAS
Fogolin	Claudio			UCAS	Issigonis	Alec	1906	1988	UCAS
Fontana	Giovanni	1540	1614	UCAS	Jazari al		1136	1206	UCAS
Fontana	Domenico	1543	1607	UCAS	Kedzior	Krzysztof			UCAS
Forest de Belidor	Bernard	1698	1761	UCAS	Kepler	Johannes	1571	1630	UCAS
Forlanini	Enrico	1848	1930	UCAS	Kesy	Zbigniev			UCAS
Franciosi	Vincenzo			UCAS	Kingdon Clifford	William	1845	1879	UCAS
Frisi	Paolo	1728	1784	UCAS	Kircher	Atanasius	1602	1680	UCAS

Klein Breteler	Antonius			UCAS	Necchi	Vittorio	1898	1975	UCAS
Koenig	Friedrich	1773	1833	UCAS	Nicholson	William	1753	1815	UCAS
Koetsier	Teun			UCAS	Nieto	Justo	1943		UCAS
Konstantinov	Mark S.			UCAS	Nobile	Umberto	1885	1978	UCAS
Konstantinov	Mikail			UCAS	Nodari	Achille	1878	1946	UCAS
Kyesser	Konrad	1366	1405	UCAS	Nordmann	Rainer			UCAS
Lamborghini	Ferruccio	1916	1993	UCAS	Notash	Leila			UCAS
Lanci	Baldassarre	1510	1571	UCAS	Oddi	Muzio	1569	1639	UCAS
Lancia	Vincenzo	1881	1937	UCAS	Oderfeld	Jan	1908	2010	UCAS
Landsberg	Herrad von	1130	1195	UCAS	Olivetti	Massimo	1902	1949	UCAS
Lanz y Zaldívar	José María	1764	1839	UCAS	Olivetti	Camillo	1868	1943	UCAS
Laurenti	Cesare	1865	1921	UCAS	Olivetti	Adriano	1901	1960	UCAS
Lazesio	Francesco Feliciano	1470	1570	UCAS	Opel	Adam	1837	1895	UCAS
Le Rond D'Alembert	Jean Baptiste	1717	1783	UCAS	Orlando	Luigi	1814	1896	UCAS
Lee	William	1563	1614	UCAS	Orlov	Feodor	1843	1892	UCAS
Lefaucheux	Casimir	1802	1852	UCAS	Orsini	Latino	1530	1580	UCAS
Leinonen	Tatu			UCAS	Osman	M.O.M.			UCAS
Lenardid	Jadran			UCAS	Ovazza	Elia	?	?	UCAS
Levi-Civita	Tullio	1873	1941	UCAS	Pacinotti	Antonio	1841	1912	UCAS
Lions	William	1902	1985	UCAS	Pacioli	Luca	1446/7	1517	UCAS
Lopez-Cajún	Carlos	1948		UCAS	Padelletti	Dino	1852	1892	UCAS
Loria	Gino	1862	1954	UCAS	Padova	Ernesto	1845		UCAS
Lufkin Dennison	Aaron	1812	1895	UCAS	Pagano	Michele			UCAS
Luo	Jianbin	1961		UCAS	Palmieri	Luigi	1807	1896	UCAS
Luppis	Giovanni	1813	1875	UCAS	Panetti	Modesto	1875	1957	UCAS
Macchi	Giulio	1886	1935	UCAS	Pantelic	T			UCAS
Maggi	Gian Antonio	1856	1937	UCAS	Papacino d'Antonj	Alessandro Vittorio	1714	1786	UCAS
Mandslay	Henry	1771	1831	UCAS	Pappus				UCAS
Mannesmann	Reinahr	1856	1922	UCAS	Alexandrinus		IV Cen. B. C		
Månsson	Olof	1490	1557	UCAS	Pascale	Luigi	1923		UCAS
Marcolongo	Roberto	1862	1943	UCAS	Pelecudi	C.S.			UCAS
Marelli	Ercole	1867	1922	UCAS	Perini	Lodovico	1685	1731	UCAS
Martini	Marcello			UCAS	Peruzzi	Baldassarre	1481	1536	UCAS
Masdea	Edoardo			UCAS	Peverone	Giovan Francesco	1509	1553	UCAS
Maserati	Alfieri	1887	1932	UCAS	Phillips	Jack			UCAS
Masi	Francesco	1852	1944	UCAS	Piaggio	Rinaldo	1864	1938	UCAS
Massa	Emilio	1926	1998	UCAS	Piccolomini	Alessandro	1508	1579	UCAS
Maunder	Leonard	1927		UCAS	Pigafetta	Filippo	1534	1604	UCAS
Maurolico	Francesco	1494	1575	UCAS	Pinarello	Giovanni	1922		UCAS
Maybach	August Wilhelm	1846	1929	UCAS	Pinifarina	Sergio	1926	2012	UCAS
Mercalli	Giuseppe	1850	1914	UCAS	Pisla	Doina			UCAS
Mertsalov	Nikolay	1866	1948	UCAS	Pistoleri	Enrico	1889	1968	UCAS
Metagene				II metà VI sec a.C.	Pitagora		570	495	UCAS
Micucci	Antonio			UCAS	Poleni	Giovanni	1685	1761	UCAS
Miller	Karol			UCAS	Polido o Pollio	di Tessaglia			UCAS
Miura	Hirofumi			UCAS	Pomodoro	Giovanni			UCAS
Modigliani	Gino			UCAS	Porsche	Ferdinand	1875	1951	UCAS
Morecki	Adam	1929	2001	UCAS	Porta	Paolo			UCAS
Morris	William Richard	1877	1963	UCAS	Prentis	J.M			UCAS
Mozzi	Giulio	1730	1813	UCAS	Promis	Carlo	1808	1873	UCAS
Nakamura	Yoshiho			UCAS	Prosciutto	Aristide	1895	1954	UCAS
Napolitano	Luigi	1928	1991	UCAS	Pseudo-Aristotele				UCAS
					Puccini	Bernardo	1521	1575	UCAS
					Pugno	G. M.	?	?	UCAS

Pullino	Giacinto	1837	1898	UCAS	Lampsaco				
Pust	L.			UCAS	Stuart Rolls	Charles	1877	1910	UCAS
Qin	Datong			UCAS	Su	Daizhiong			UCAS
Raghavan	Madhu			UCAS	Taddei	Mario			UCAS
Ramelli	Agostino	1531	1607	UCAS	Taglioni	Fabio	1920	2001	UCAS
Rankers	H.			UCAS	Talete	di Mileto	640/62	547	UCAS
Rao	Jammi S.			UCAS			5 a.C.	a.C.	
Ravani	Barham			UCAS	Tamburini	Massino	1943		UCAS
Ravizza	Giuseppe	1811	1885	UCAS	Tanucci	Bernardo	1698	1783	UCAS
Regiomontano	Giovanni	1436	1476	UCAS	Tartaglia	Nicolò	1499	1557	UCAS
Ressel	Josef	1793	1857	UCAS	Tesla	Nikola	1856	1943	UCAS
Ricci	Matteo	1552	1610	UCAS	Tessari	Domenico	1837	1909	UCAS
Riva	Alberto	1850	1924	UCAS	Thomas	Werner			UCAS
Rizzi Zannoni	Giovanni Antonio	1736	1814	UCAS	Torricelli	Evangelista	1607	1647	UCAS
Roberts	Richard	1789	1864	UCAS	Trentadue	Antonio			UCAS
Rodriguez	Olindo			UCAS	Trevelyan	James			UCAS
Romeo	Nicola	1876	1938	UCAS	Trevithick	Richard	1771	1883	UCAS
Rooney	Joe			UCAS	Trigault	Nicolaus	1577	1628	UCAS
Rossi	Aldo	1931	1997	UCAS	Turriano	Juanelo	1515	1585	UCAS
Roth	Bernard			UCAS	Ucelli	Guido	1884	1964	UCAS
Rotundi	Francesco			UCAS	Vaclavik	Miroslav			UCAS
Rovetta	Alberto	1940		UCAS	Vallatta	Arrigo	1930	2001	UCAS
Rowan Hamilton	William	1805	1865	UCAS	Valturio	Roberto	1413	1483	UCAS
Royce	Henry	1863	1933	UCAS	Vanvitelli	Luigi	1700	1773	UCAS
Ruggieri	Guido			UCAS	Varronis	Marcus Terentius	116	27	UCAS
Russo	Gioacchino			UCAS			B.C.	B.C.	
Sadi Carnot	Nicolas Léonard	1796	1832	UCAS	Vegezio	Flavio Renato	IV-V		UCAS
Salmoiraghi	Angelo	1848	1939	UCAS			cent		UCAS
Saminiati	Benedetto	1555		UCAS	Venditti				UCAS
Sansovino	Jacopo	1486	1570	UCAS	Venturi	Giovan Battista	1746	1822	UCAS
Santini	Paolo	?	?	UCAS	Veranzio	Fausto	1551	1617	UCAS
Sarkisyan	Yuri L.			UCAS	Verbriest	Ferdinand	1623	1688	UCAS
Savary	Félix	1737	1841	UCAS	Vertut	Jean			UCAS
Saviotti	Carlo			UCAS	Visa	Ion	1949		UCAS
Sax	Adolphe	1814	1894	UCAS	Vitruvius Marcus	Pollione	80	15	UCAS
Schopper	Hartmann	1542	1595	UCAS			a.C. ca	a.C. ca	
Schott	Gaspard	1608	1666	UCAS	Viviani	Quirico	1780	1835	UCAS
Schreck	Johann	1576	1630	UCAS	Vukobratovich	Miomir	1931	2012	UCAS
Schutter	Joris de	1957	living	UCAS	Waldron	Ken J.			UCAS
Scotto lavina	Giovanni			UCAS	Walicki	Andri			UCAS
Seireg	A.			UCAS	Walmsley	William			UCAS
Sella	Quintino	1827	1884	UCAS	Wenner	Federico Alberto	1812	1882	UCAS
Sesini	Ottorino	1892	??	UCAS	Whitehead	Robert	1823	1905	UCAS
Shoup	Terry E.			UCAS	Wiercigroch	Marian			UCAS
Smirnov	Leonid	1877	1954	UCAS	Wohlhart	Karl	1928		UCAS
Sostrato	di Cnido	III sec		UCAS	Wojnarowsky	Jozef			UCAS
		a.C.			Wunderlich	Fritz	1930	1966	UCAS
Stanchev	E.			UCAS	Xu	Guanqgi	1562	1633	UCAS
Stefan	Gabor			UCAS	Yershov	Alexander	1818	1867	UCAS
Stefanutti	Sergio	1906	1992	UCAS	Zagato	Lucio	1890	1968	UCAS
Stevin	Simon	1548	1620	UCAS	Zernov	Dimitry	1860	1922	UCAS
Stigler	Augusto	1861	1939	UCAS	Zonca	Vittorio	1568	1602	UCAS
Stoppelli	Vincenzo			UCAS	Zopiro		IV sec		UCAS
Stratone di				UCAS			a.C.		

NAME OF INSTITUTION	team		
ABB Enterprise	UCAS	Enterprise Ghia	UCAS
Technische Universitat Munchen	UCAS	Enterprise Innocenti	UCAS
Aachen University of Technology	UCAS	Enterprise Isotta Fraschini	UCAS
Acciaierie Mongiana	UCAS	Enterprise Lamborghini	UCAS
Aermacchi Enterprise	UCAS	Enterprise Lancia	UCAS
Asociación Española de Ingeniería Mecánica	UBC	Enterprise Maserati	UCAS
Austin Motor Corporation	UCAS	Enterprise Moto Guzzi	UCAS
Bauman Moscow State Technical University	UCAS	Enterprise MV Agusta	UCAS
Biblioteca Boaga	UCAS	Enterprise OLIVETTI	UCAS
Biblioteca Castelnuovo	UCAS	Enterprise Peugeot Citroën Automobile SA	IFMA
Biblioteca Montecassino	UCAS	Enterprise PIAGGIO	UCAS
BMV Enterprise	UCAS	Enterprise Pinarello	UCAS
Borletti Enterprise	UCAS	Enterprise Renault SAS - Renault-Nissan	IFMA
Brandenburg Technical University of Cottbus	UCAS	Enterprise Zagato	UCAS
Budapest University of Technology and Economics	UCAS	Escuela de Ingenieros de la Universidad Pública de Navarra	UBC
Cambridge University	UCAS	Escuela Técnica Superior de Ingeniería de Bilbao	UBC
Cantieri Castellammare	UCAS	F.I.V. Bianchi	UCAS
Centro Olivetti	UCAS	Fábrica de la Lana Vielha- Val D'Aran	UBC
Centro Piaggio	UCAS	Fundación Barreiros	UBC
Centro Ricerche Fiat CRF	UCAS	Fundación Juanelo Turriano	UBC
CISM	UCAS	GMA	UCAS
Cracow University of Technology	UCAS	IFTtoMM	UCAS
Delft University of Technology	UCAS	Imperial College London	UCAS
Department DISDRA University Sapienza of Rome	UCAS	INRIA at Sophia Antipolis	UCAS
Dresden Technical University	UCAS	Jaguar Cars Limited	UCAS
Duisburg Technicalk University	UCAS	Josef Stefan Institute	UCAS
Ecole Centrale de Marseille	IFMA	Kaunas University of Technology	UCAS
Ecole Centrale de Nantes	IFMA	King's College University of London	UCAS
Ecole Centrale de Paris	IFMA	LARM	UCAS
ENSAM - Ecole Nationale Supérieure d'Arts et Métiers - Paris (et 7 centres en région)	IFMA	Morris Motor Company	UCAS
ENSMA - Ecole Nationale Supérieure de Mécanique et d'Aérotechnique - Poitiers	IFMA	Musée Agrivap : Musée de la machine agricole et à vapeur à Ambert	IFMA
ENSMM - Ecole Nationale Supérieure de Mécanique et des Microtechniques - Besançon	IFMA	Musée des arts et métiers à Paris	IFMA
Enterprise Abarth	UCAS	Musée Michelin à Clermont-Ferrand	IFMA
Enterprise Agusta	UCAS	Musée Peugeot à Sochaux	IFMA
Enterprise Alfa Romeo	UCAS	Museo Agusta	UCAS
Enterprise Ansaldo	UCAS	Museo de la Imprenta-Madrid	UBC
Enterprise APRILIA	UCAS	Museo de la Máquina-herramienta ELGOIBAR	UBC
Enterprise Beretta	UCAS	Museo del Chocolate-Astorga	UBC
Enterprise Bertone	UCAS	Museo del Ferrocarril Catalunya	UBC
Enterprise Bianchi (biciclette)	UCAS	Museo del Ferrocarril Madrid	UBC
Enterprise Breda	UCAS	Museo del Telar Pilar Quintana-Taramund	UBC
Enterprise Campagnolo	UCAS	Museo del Tractor	UBC
Enterprise Caproni	UCAS	Museo della Fondazione Antica Zecca di Lucca	UCAS
Enterprise Colnago Enterprise	UCAS	Museo didattico della seta (Como)	UCAS
Enterprise COLOMBO FILIPPETTI	UCAS	Museo Galileo a Firenze	UCAS
Enterprise COMAU	UCAS	Museo Moto Guzzi (Mandello del Lario)	UCAS
Enterprise Dassault Systèmes	IFMA	Museo Motori e Meccanismi Palermo	UCAS
Enterprise DUCATI	UCAS	Museo Nacional de Ciencia y Tecnología	UBC
Enterprise Fabio Perini SPA	UCAS	Museo Nazionale della Scienza e della Tecnologia Leonardo da Vinci (Milano)	UCAS
Enterprise Ferrari	UCAS	Museo Storico della Motorizzazione Militare (Roma)	UCAS
Enterprise FIAT	UCAS	Museo Vasco del Ferrocarril	UBC
		Muzeul Aviatiei Bucuresti	UPT

Muzeul Ceasului Ploiesti	UPT	Universitatea "Lucian Blaga" Sibiu	UBC
Muzeul Militar National Regele "Ferdinand I" Bucuresti	UPT	Universitatea "Politehnica" Bucuresti	UPT
Muzeul Stiintei si Tehnicii "Stefan Procopiu" Iasi	UPT	Universitatea "Politehnica" Timisoara	UPT
Muzeul Tehnic "Prof. Ing. Dimitrie Leonida" Bucuresti	UPT	Universitatea "Stefan cel Mare" Suceava	UPT
Muzeul Universitatii Politehnica Bucuresti	UPT	Universitatea "Transilvania" Brasov	UPT
Necchi Enterprise	UCAS	Universitatea de Nord Baia Mare	UPT
Newcastle University	UCAS	Universitatea din Bacau	UPT
Nottingham Trente University	UCAS	Universitatea din Craiova	UPT
Officine Pietrarsa	UCAS	Universitatea din Oradea	UPT
Olivetti Enterprise	UCAS	Universitatea Tehnica "Gheorghe Asachi" Iasi	UPT
Ouli University	UCAS	Universitatea Tehnica Cluj-Napoca	UPT
Oxford University	UCAS	Université Blaise Pascal, Clermont-Ferrand II	UPT
Philips Enterprise	UCAS	Université Pierre et Marie Curie, Paris VI	UPT
Politecnico de Lisboa	UCAS	University of Athens	UPT
Polytech' Clermont-Ferrand (ex, CUST)	IFMA	University of Belgrade	IFMA
Polytech' Grenoble	IFMA	University of Copenhagen	IFMA
Polytech' Lille	IFMA	University of Karlsruhe	UCAS
Polytech' Marseille	IFMA	University of Patras	UCAS
Polytech' Montpellier	IFMA	Vienna University of Technology	UCAS
Polytech' Nantes	IFMA	Vrije University of Amsterdam	UCAS
Polytech' Nice Sophia	IFMA	Warsaw University of Technology	UCAS
Polytech' Orléans	IFMA	Wroclaw University of Technology	UCAS
Polytech' Paris UPMC - Ecole Polytechnique Universitaire Pierre et Marie Curie	IFMA	Bergische Universität Wuppertal	UCAS
Polytech' Savoie - Ecole Polytechnique de l'Université de Savoie - Annecy	IFMA	Hochschule Magdeburg Stendal	UCAS
Polytech' Tours	IFMA	Ruhr-Universität Bochum	UCAS
Research Institute of Textile Machines in Liberec	UCAS	Technische Universität Braunschweig	RWTH
Revista DYNA Ingeniería e Industria	UBC	Technische Universität Chemnitz	RWTH
Rolls-Royce Limited	UCAS	Technische Universität Dresden	RWTH
Salmoiraghi Enterprise	UCAS	Technische Universität Darmstadt	RWTH
Schools of Engineering Politecnico di Bari	UCAS	Technische Universität Ilmenau	RWTH
Schools of Engineering Politecnico di Milano	UCAS	Technische Universität München	RWTH
Schools of Engineering Politecnico di Torino	UCAS	Universität Bremen	RWTH
Schools of Engineering University of Bologna	UCAS	Universität Duisburg-Essen	RWTH
Schools of Engineering University of Genova	UCAS	Universität Hannover	RWTH
Schools of Engineering University of Napoli	UCAS	Universität Siegen	RWTH
Schools of Engineering University of Padova	UCAS	Universität Stuttgart	RWTH
Schools of Engineering University of Pisa	UCAS	DLR Institut für Robotik und Mechatronik	RWTH
Schools of Engineering University of Roma	UCAS	Ford Forschungszentrum Aachen	RWTH
Seterie San Leucio	UCAS	Fraunhofer IPT, Aachen	RWTH
Swiss Federal Institute of Technology	UCAS	Auto- und Technikmuseum Sinsheim	RWTH
Tamper University of Technology	UCAS	Deutsche Museum von Meisterwerken der Naturwissenschaft und Technik in München	RWTH
Technical Museums – Romania	UPT	Deutsches Technikmuseum Berlin	RWTH
Technical University of Ostrava	UCAS	Hebezeug-Museum Witten	RWTH
Trinity College of Dublin	UCAS	Museum Zinkhütter Hof	RWTH
Universidad de Málaga	UCAS	Sächsisches Industriemuseum	RWTH
Universidad de Salamanca	UCAS	Technik-Museum Speyer	RWTH
Universidad Politécnica de Cataluña	UCAS	Technische Sammlungen Dresden	RWTH
Universitatea "Aurel Vlaicu" Arad	UBC		
Universitatea "Dunarea de Jos" Galati	UBC		

ANNEX 2- list of planned biographies for Who-is-Who selection


Aristotele (384-322) BC	O qpwtkqri' 'Guxcttkqri'P ctekuq**3: 3; /3: : 7+
Archimedes (287-212 BC)	Tgwrgcwz'Hicpl **3: 4; /3; 27+
Philon (3 rd cent BC)	Opel Adam (1837-1895)
Ctesibius (3 rd cent BC)	Kennedy Alexander Blackie William (1847 - 1928)
Heron of Alexandria (1 st cent. BC)	Chebyshev Pafnuty Lvovich (1821-1894)
Vitruvius Marcus Pollione (1 st cent.)	RankineMcquorn Wiliam John (1820-1872)
Κῆρ'Ηκτῆρ᾽ αὐ'Cdd᾽ αὐ** 32/: : 9+	Grashof Franz (1826–1893)
Vegetius Publius Flavius Renatus (5th cent)	Ball Robert Stawel (1840-1913)
Al- Jazari A (12 th -13 th cent.)	Burmester Ludwig (1840-1927)
Villard de Honnecurt (13 th cent.)	Ekstew'Crzcpf tw**3: 76/3; 44+
Brunelleschi Filippo (1377-1446)	Allievi Lorenzo (1856-1941)
Di Jacopo Mariano, Il Taccola (1382-1458)	Assur Leonid V. (1878–1920)
Valturio Roberto (1405-1475)	Grübler Martin Fürchtegott (1851 – 1935)
Di Giorgio Francesco (1439-1501)	Mannesmann Reinahrd (1856-1922)
Da Vinci Leonardo (1452-1519)	Benz Karl (1844-1928)
Agricola Georgius (1471-1555)	Nrkpgj cn'Qwq**3: 6: /3: ; 8+
Cardano Girolamo (1501-1576)	Kempe Alfred B. (1849-1922)
Besson Jacques (1540-1573)	Bobillier E. Étienne (1798-1840)
Turriano Juanelo (1515-1585)	Diesel Rudolf (1858-1913)
Agostino Ramelli(1531-1608)	Masi Francesco (1852-1944)
Dal Monte Guidobaldo (1545-1607)	Tesla Nikola (1856-1943)
Stevin Simon (1548-1620)	Dunlop John Boyd (1856-1943)
Branca Giovanni (1571-1645)	Mannesmann Reinhard (1856-1922)
Galilei Galileo (1564-1642)	Piaggio Rinaldo (1864-1938)
De Roberval Gilles Personne (1602-1675)	Bennet Geoffrey Thomas (1868-1943)
Schott Gaspar (1608–1666)	Agnelli Giovanni (1866-1945)
Bockler Georg Andreas (1644–1698)	Bricard Raoul (1870-1944)
de La Hire Philippe (1640 –1718)	Kutzbach, Karl (1875 – 1942)
Jacobs Leupold (1674–1727)	Porsche Ferdinand (1875-1951)
De Vaucanson Jacques (1709-1782)	Renault Luis (1877-1944)
Euler Leonard (1707-1783)	Xrklew'Cwtgrn**3: : 4/3; 35+"
Bernoulli Johan (1667-1748)	Eqcpf c'J gptk**3: : 8/3; 94+"
D'Alembert JeanBaptiste (1717-1783)	Alt Hermann (1889 - 1954)
Paolo Frisi (1728-1784)	Blasche Wihelm (1885-1962)
Watt James (1736-1819)	Beyer Rudolf (1892 - 1960)
Mozzi Giulio (1730-1813)	Ferrari Enzo (1898-1988)
Monge Gaspard (1746-1818)	D'Ascanio Corradino (1891-1981)
Jacquard Joseph-Marie (1752-1834)	Bock Arthur (1898-1991)
Betancourd Agustin (1758-1824)	Campagnolo Gentullio (1901-1983)
Lanz Josè Maria (1764–1839)	Artobolevski Ivan Ivanovich (1905-1977)
Hachette Jean Nicolas Pierre (1769-1834)	Bottema Oene (1901-1992)
Stephenson George (1781-1848)	Hain Kurt (1908-1985)
Roberts Richard (1789-1864)	Wunderlich Fritz (1930-1966)
Borgnis Giuseppe Antonio (1781-1863)	Oderfeld Jan (1908-2010)
Babbage Charles (1791-1871)	Manolescu Nicolae (1907-1993).
Savary Felix (1797-1841)	Morecki Adam (1929-2001)
Giulio Carlo Ignazio (1803-1859)	Konstantinov Mikail S. (1921-1991)
Redtenbacher Ferdinand Jakob (1809 -1863)	joseph Duffy (1936-2002)
Willis Robert (1800-1875)	Kovacs Francisc Viliam (1929-2009)
Sylvester James Joseph (1814-1897)	D¾ gncem'I gtj ctf **3; 54/4233+

ANNEX 3 - list of publications

1. Ceccarelli M., 'Francesco Masi (1852-1944)', Distinguished Figures in Mechanism and Machine Science: Their Contributions and Legacies – Part 2, Book series on History of Machines and Machine Science, Vol.7, Springer, Dordrecht, 2010, pp.141-162. DOI 10.1007/978-90-481-2346-9_8. ISBN: 978-90-481-2345-2
2. Marco Ceccarelli, Michela Cigola, Descriptive Geometry and the Theory of Mechanisms in nineteenth century Italian engineering: similarities and interrelationship, Disegnare: Biannual Magazine of the Survey, Analysis and Drawing Department of the Environment and Architecture, Vol. XX, n. 39, 2009, pp.12-25.
3. Ceccarelli M., The mechanics of Archimedes towards modern mechanism design, The Genius of Archimedes – 23 centuries of influence on Mathematics, Science and Engineering, Book series on History of Machines and Machine Science, Vol.11, Springer, Dordrecht, 2010, pp. 177-187, . ISBN: 978-90-481-9090-4 DOI: [10.1007/978-90-481-9091-1_12](https://doi.org/10.1007/978-90-481-9091-1_12)
4. M. Ceccarelli, Mechanism Designs of Cultural Heritage, 13th World Congress in Mechanism and Machine Science IFToMM 2011, **Guanajuato**, 2011, paper n. A21-393.
5. H. Kerle, K. Mauersberger, and M. Ceccarelli, Historical Remarks on Past Model Collections of Machines and Mechanisms in Europe, 13th World Congress in Mechanism and Machine Science IFToMM 2011, **Guanajuato**, 2011, paper n. A21-279.
6. O. Egorova and M. Ceccarelli, Ivan Ivanovich Artobolevski as one of the Founders of IFToMM, 13th World Congress in Mechanism and Machine Science IFToMM 2011, **Guanajuato**, 2011, paper n. A21-397.
7. 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: [10.10007/978-94-007-1251-5_4](https://doi.org/10.10007/978-94-007-1251-5_4)
8. Marco Ceccarelli and Michela Cigola, On the evolution of graphical representation of gears, Proceeding of MeTrApp 2011 Mechanisms, Transmissions, Applications Workshop, Book series on Machines and Machine Science, Vol.1, Springer, Dordrecht, 2011. pp. 3-14.
9. D'Aliesio E., Ceccarelli M. , A history of artificial hands, Proceedings of IFToMM-FelBIM Int. Symposium on Mechatronics and Multibody Systems MUSME 2011, Valencia, 2011, paper 37.
10. Cesare Rossi, Marco Ceccarelli, Michela Cigola, La groma, lo squadra agrimensorio e il corobate: note di approfondimento su progettazione e funzionalità di antiche strumentazioni, Disegnare: 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
11. 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.
12. 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
13. 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 .
14. 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
15. Burkhard Corves: Kurt Hain and Walther Meyer zur Capellen: A View from Aachen at Two Shapers of German Mechanism Theory. In: E.-C. Lovasz, B. Corves (Ed.): Mechanisms, Transmissions and Applications. Springer Science+Business Media, Dordrecht, 2012, pp. 15-35.
16. Lovasz, E.-C., Perju, D., Maniu, I., Rădulescu, C., Ciupe, V.: Francisc Viliam Kovács - Leader in the development of mechanisms and robotics in Romania. Explorations in the History of Machines and Mechanisms,, Book series on History of Machines and Machine Science, Vol.15, Springer, Dordrecht, 2012. pp.171-182. <http://dx.doi.org/10.1007/978-94-007-4132-4>. ISBN: 978-94-007-4131-7

ANNEX 4 - samples of biographies Example of a biography presentation in DMG-Lib

Reuleaux, Franz (1829 - 1905)



German engineer and scientist









Reuleaux beschäftigte sich zeitlebens mit dem Ausbau der Kinematik, die zu Beginn seiner Tätigkeit noch ein Teilgebiet von Mechanik und Festigkeitlehre war, zu einer Theorie und Wissenschaft. Um die Umsetzung realer Maschinen und Mechanismen in eine mathematische Beschreibung zu ermöglichen, beschränkte er sich auf die Analyse der Bewegung und der starren Bindungen unter Vernachlässigung der Kraftwirkungen. Er führte alle Mechanismen auf Elementepaare und kinematische Ketten zurück und entwickelte eine Theorie des Zwangslaufes zur Erzeugung geordneter maschineller Bewegungen. Reuleaux versuchte, die geometrische Abstraktion der Maschinen unter Verwendung einer allgemeinen Systematik der Getriebe nach der Zweckbestimmung zu erreichen. Dabei unterschied er Elemente der Leitung (Führungen), der Haltung (Energiespeicher), der Gestaltung (Werkzeuge und Befestigungen) und der Treibung (Mechanismen und Getriebe im engeren Sinne). Von ihm wurden die Begriffe Getriebe und Getrieblehre eingeführt, er leistete einen großen Beitrag zur exakten Klassifizierung und Begriffsbestimmung der Getriebe und Mechanismen und damit zur Herausbildung eines klaren technischen Schriftstils. Die von ihm gewählte Überbetonung mathematisch-theoretischer Lösungswege, die Verhinderung der Verwendung empirischer Daten sowie die Abstraktion von realen Kräften führte letztendlich zu theoretischen Spekulationen ohne praktischen Nutzen und wurde schließlich zum Auslöser eines Methodenstreites. Reuleaux setzte sich stark für die Verwendung von Getriebemodellen und den Aufbau einer entsprechenden Sammlung zu Unterrichtszwecken sowie für den Aufbau von Experimentaleinrichtungen ein.

diversa grafia:
Reuleaux, Franz; Reuleaux, F.;

[Premi per ingrandire](#)

Curriculum vitae			
	* 30.09.1829	Eschweiler-Pumpe	born
	1856 - 1864	Zürich	Prof. für "Angewandte Mechanik" am "Eidgenössischen Polytechnikum"
	1864 - 1896	Berlin	Prof. für Maschinenbaukunde am Gewerbeinstitut
	1868 - 1879	Berlin	director of the Gewerbeinstitut
	1879 - 1890	Berlin	Abteilungsleiter für Maschinenbau an der "Technischen Hochschule"
	1890 - 1896	Berlin	Rektor der "Technischen Hochschule"
	† 20.08.1905	Berlin	died

Letteratura

	Lehrbuch der Kinematik Autore: Reuleaux, Franz Pubblicato: 1875 -
	Lehrbuch der Kinematik: Theoretische Kinematik: Grundzüge einer Theorie des Maschinenwesens; Abt. 1, [Hauptbd.] Autore: Reuleaux, Franz Pubblicato: 1875
	Lehrbuch der Kinematik: Theoretische Kinematik: Grundzüge einer Theorie des Maschinenwesens; [Abt. 1], Atlas Autore: Reuleaux, Franz Pubblicato: 1875
	Lehrbuch der Kinematik: Die praktischen Beziehungen der Kinematik zu Geometrie und Mechanik Autore: Reuleaux, Franz Pubblicato: 1900
	Skizzenbuch der angewandten Kinematik; nach den Vorträgen des Geheimen Regierungsrath Prof. Reuleaux Autore: Verein Hütte (Ed.); Reuleaux, Franz Pubblicato: 1880 - 1892
	Skizzenbuch der angewandten Kinematik: Text, Theil 1: Blatt 1 - 62 Autore: Reuleaux, Franz Pubblicato: 1880
	Skizzenbuch der angewandten Kinematik: Text, Theil 2: Blatt 63 - 128 Autore: Reuleaux, Franz Pubblicato: 1892
	Skizzenbuch der angewandten Kinematik: Atlas, Theil 1: Eine Sammlung von Mechanismen

Hain, Kurt (1908 - 1995)



Deutscher Kinematiker; war auf dem Gebiet der Getriebesystematik tätig

Hains wissenschaftliches Werk ist ungewöhnlich umfangreich, er veröffentlichte insgesamt 361 Artikel und 13 Bücher. Er beschäftigte sich vor allem mit Untersuchungen zur Getriebesystematik sowie mit der Analyse und Maßsynthese von ungleichmäßig übersetzenden Getrieben. Auf der Grundlage seiner umfangreichen Forschungen führte er verschiedene Methoden und Begriffe ein (Punktlagenreduktion, Polkraftverfahren, Drehschubstrecke, Totalschwinge, Ersatz-Kurvengetriebe). Frühzeitig erkannte und nutzte er die Möglichkeiten der modernen Rechentechnik. Er war Mitglied zahlreicher Vereinigungen und Ausschüsse der Getriebetechnik.

diversa grafia:

Hain, Kurt; Hain, K.; Hn., ohne Vornamen; Hn., ohne Vorname; H., K.; als Lehrgangleiter, Kurt; Hain, K-; Hain, ohne Vorname; Chajn, K.; Chain, K.; Hn., ohne; Hain, ohne

[Premi per ingrandire](#)

Curriculum vitae			
	* 24.05.1908	Leipzig	nato
	1927 - 1931	Leipzig	Studium des Maschinenbaus an der Höheren Maschinenbauschule nach einer Schlosserlehre
	1935	Dessau	Entwicklungsingenieur bei den Junkers-Flugzeugwerken
	1936	Dresden	Konstrukteur in der Schreibmaschinenfabrik "Seidel & Naumann"
	1939	Braunschweig	Forschungs- und Versuchsingenieur in der Luftfahrt-Forschungsanstalt
	1948	Braunschweig	Leiter der Abteilung Kinematik im Institut für Landtechnische Grundlagenforschung der Forschungsanstalt für Landwirtschaft
	1957 - 1966	USA	Vier Reisen als Gastprofessor an das "Massachusetts Institute of Technology"
	1967 - 1977	Braunschweig	Lehrbeauftragter für das Fach "Angewandte Getriebelehre" an der "Technischen Universität"
	1973		Eintritt in den Ruhestand
	† 07.01.1995	Braunschweig	morto

Letteratura

	Erzeugung von Rastperioden durch Gelenkgetriebe Autore: Hain, Kurt; Krumm, Herbert; Minke, Dirk; Freudenstein, Ferdinand; Soares, R.; Kiper, Gerd; Dijksman, Evert A.; Socha, Johannes Pubblicato: 1980
	Erzeugung ungleichförmiger Umlaufbewegungen ; mit 11 Tafeln Autore: Hain, Kurt; Kiper, Gerd; Rößner, Wolfgang; Rosenauer, Nicolaj; Hagedorn, Leo; Beyer, Rudolf; Schnarbach, Kurt; Volmer, Johannes; Freudenstein, Ferdinand Pubblicato: 1957
	Getriebelehre : Grundlagen und Anwendungen Autore: Hain, Kurt Pubblicato: 1963
	Angewandte Getriebelehre Autore: Hain, Kurt Pubblicato: 1961
	Getriebelehre : Grundlagen und Anwendungen: Getriebe-Analyse Autore: Hain, Kurt Pubblicato: 1963
	Atlas für Getriebe-Konstruktionen: Textteil Autore: Hain, Kurt Pubblicato: 1972

Torres Quevedo, Leonardo (1852 - 1936)



[Premi per ingrandire](#)

Spanish engineer.

Leonardo Torres Quevedo was a prominent Cantabrian engineer of the early twentieth century. After qualifying as a Civil Engineer in Madrid, he worked for some time in railway matters, but finally devoted himself to studies and scientific papers. One of his greatest inventions was the Telekino, an automaton that executed commands sent by wireless telegraphy, which was a pioneer in the field of remote control. Other highlights of his many inventions are an electromechanical machine to solve algebraic equations, an automatic chess player to solve games with a tower and King against the King and dirigible airships. He also worked in cableways and he constructed a cable car in the Uliá Mountain of San Sebastian and another one in the Niagara Falls. The latter was built in 1916 and was operational until the beginning of XXI century. He received many awards for his work and was awarded with Honorary Degrees by the Universities of Paris and Coimbra.

diversa grafia:
Torres Quevedo, Leonardo

Curriculum vitae

* 28.12.1852	Santa Cruz de Iguña, Cantabria	nato
1885	Spain	He patented a multiple wired funicular.
1893	Madrid, Spain	Memories of how to solve algebraic equations in mechanical mode.
1900 - 1923	Spain	Mechanisms patented.
1901	Spain	Director of the Applied Mechanics Laboratory.
1902	Spain, France	He presented his dirigible project.
1903	Paris	He presented the Telekino, a device that transmitted telegraph orders with no wires.
1907	San Sebastian, Spain	He designed the Monte Uliá funicular for people.
1912	Spain	He presented the automaton chess.
* 1914	Spain, France	He published his essays about Automatics.
1914 - 1919	Spain	Dirigibles patented.
1915	Spain	He patented a hitch and brake mechanism for funicular.
1920	Paris	He presented the electromechanic arithmometer.
1928	Spain	President of the Academy of Sciences of Madrid.
† 18.12.1936	Madrid, Spain	morto

Letteratura secondaria



Leonardo Torres Quevedo

Autore: Torres-Quevedo Torres-Quevedo, Leonardo
Publicato: 2007

Immagini



referenza

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Torres Quevedo, Leonardo (1852 - 1936)



Ingeniero español

Leonardo Torres Quevedo fue un destacado ingeniero cántabro de principios del siglo XX. Tras obtener el título de Ingeniero de Caminos en Madrid, trabajó durante algún tiempo en asuntos ferroviarios, pero finalmente se dedicó a estudios y trabajos científicos.

Una de sus grandes invenciones fue el telekino, un autómatas que ejecutaba órdenes enviadas por telegrafía sin hilo, siendo pionero en el campo del control remoto. Otras de sus múltiples invenciones destacables son la máquina electromecánica para resolver ecuaciones algebraicas, un ajedrecista programado para resolver partidas de torre y rey contra rey, globos dirigibles o los transbordadores del Monte Uliá en San Sebastián y del Niágara. Este último fue construido en 1916 y estuvo en funcionamiento hasta el inicio del siglo XXI. Recibió numerosas distinciones por su trabajo y fue nombrado Doctor Honoris Causa por las Universidades de Paris y Coimbra.

diversas escrituras:
Torres Quevedo, Leonardo

Curriculum vitae

* 28.12.1852	Santa Cruz de	nacido
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[torres: torri](#) [Disattiva](#)

Borgnis, Giuseppe Antonio (1781 - 1863)



[Preni per ingrandire](#)

Italian engineer, Professor and then Rector at the University of Pavia, Italy. He published a set of 10 books on machinery with theoretical and practical considerations that has been used as a reference technical hand book along the 19-th century, not only in Italy.

Giuseppe Antonio Borgnis si forma presso l'Ecole Polytechnique di Parigi e dopo un periodo di servizio presso la Marina a Venezia, svolge attività accademica presso l'Università di Pavia. Pubblica, tra le varie opere, un insieme di 10 volumi sulle macchine con considerazioni teoriche e pratiche che è stato usato come manuale di riferimento per tutto il secolo, non solo in Italia. Progettazione di meccanismi macchine industriali, meccanica delle macchine, teoria dei meccanismi.

diversa grafia:

Borgnis, Giuseppe Antonio; Borgnis, Jean Antonio;

Curriculum vitae

* 08.04.1781	Craveggia	Nato
1809		Pubblica "Studio delle macchine" presso Stamperia Antonio Curti di Venezia.
1826 - 1850	Pavia	Professore di matematica applicata presso l'Università di Pavia
1848	Pavia	Rettore dell'Università di Pavia
1848 - 1851		Professore di architettura civile e stradale
† 16.08.1863	Monza	Morto

Letteratura

	De la composition des machines Autore: Borgnis, Giuseppe Antonio Pubblicato: 1818
	Du mouvement des fardeaux Autore: Borgnis, Giuseppe Antonio Pubblicato: 1818
	Des machines employées dans les constructions diverses Autore: Borgnis, Giuseppe Antonio Pubblicato: 1818
	Des machines hydrauliques Autore: Borgnis, Giuseppe Antonio Pubblicato: 1819
	Des machines d'agriculture Autore: Borgnis, Giuseppe Antonio Pubblicato: 1819
	Des machines employées dans diverses fabrications Autore: Borgnis, Giuseppe Antonio

Internet

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Borgnis, Giuseppe Antonio (1781 - 1863)



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Italian engineer, Professor and then Rector at the University of Pavia, Italy. He published a set of 10 books on machinery with theoretical and practical considerations that has been used as a reference technical hand book along the 19-th century, not only in Italy.

Giuseppe Antonio Borgnis studied at the Ecole Polytechnique in Paris and after a service in the Navy in Venice he worked at the University of Pavia. He published a set of 10 books on machinery with theoretical and practical considerations that has been used as a reference technical hand book along the 19-th century, not only in Italy. Design of mechanisms, industrial machinery, mechanics of machines, theory of mechanisms.

variant spelling:

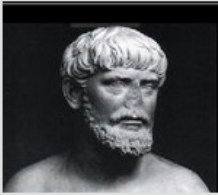
Borgnis, Giuseppe Antonio; Borgnis, Jean Antonio;

Curriculum vitae

* 08.04.1781	Craveggia	Born
1809		He published "Studio delle macchine" at Stamperia Antonio Curti in Venice.
1826 - 1850	Pavia	Professor of applied mathematics at University of Pavia
1848	Pavia	Rector at the University of Pavia
1848 - 1851		Professor of civil- and road-architecture.
† 16.08.1863	Monza	Died

Literature

Frontinus, Sextus Iulius (30 - 103)



[Click to enlarge](#)

Roman politician and author of technical publications

High-rank Roman magistrate, who worked in the high-rank positions, even at technical levels, reaching the charge of superintendent of aqueducts in Rome. Those positions made him well respected and gave him great notoriety during his life. He wrote *De aquaeductu urbis Romae*, a milestone in two volumes on Roman aqueducts and *Strategemata*, that is a work in 4 volumes on military strategies.

variant spelling:
Frontinus, Sextus Iulius

Curriculum vitae

* 30	Roma	born
70		Praetor in Rome
74		Consul in Rome
74 - 78		Governor of Britain.
97		Superintendent of aqueducts.
98		Consul in Rome
† 103	Roma	died

Literature



[De Aquaeductu Urbis Romae, Editio Phototypica ex cod. Casin 361, saec XII, Adiciuntur Varronis de Lingua Latina Fragmentum Petri Diaconi Operum Catalogus ex eodem codice](#)

Author: Frontinus, Sextus Iulius
Published: saec XII



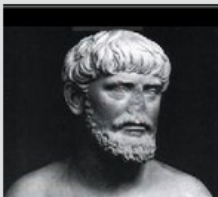
[De Aquaeductu Urbis Romae, Editio Phototypica ex cod. Casin 361, saec XII](#)

Author: Frontinus, Sextus Iulius
Published: 1930

[Indietro ai risultati della ricerca](#)

Risultati:

Frontinus, Sextus Iulius (30 - 103)



[Premi per ingrandire](#)

Progettista

Magistrato romano che ha ricoperto cariche dirigenziali anche a livello tecnico, culminati con l'incarico di soprintendente degli acquedotti di Roma, che gli hanno procurato grande rispetto e notorietà anche in vita. Autore di *De aquae ductu urbis Romae*, opera in 2 libri sugli acquedotti romani e *Strategemata*, opera in 4 libri su tattiche militari.

diversa grafia:
Frontinus, Sextus Iulius

Curriculum vitae

* 30	Roma	nato
70		Pretore a Roma
74		Console a Roma
74 - 78		Governatore della Britannia.
97		Soprintendente degli acquedotti di Roma (curator aquarum).
98		Console a Roma
† 103	Roma	morto

Letteratura