POEMA

H2020-MSCA-ITN-2018

Polynomial Optimization, Efficiency through Moments and Algebra

Deliverable D6.2

Web site for on-line courses, publications, test suite and software presentations

Document version: Final V1.0

POEMA DELIVERABLE

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Project	
Grant Agreement number	813211
Project acronym:	POEMA
Project title:	Polynomial Optimization, Efficiency through Moments and Algebra
Funding Scheme:	H2020-MSCA-ITN-2018
Date of latest version of Grant Agreement against which the assessment will be made:	26/07/2018
Document	
Period covered:	M1-M12
Deliverable number:	D6.2
Deliverable title	Web site for on-line courses, publications, test suite and software presentations
Contractual Date of Delivery:	31/12/2019
Actual Date of Delivery:	27/12/2019
Work package no.:	WP6
Work package title:	Management and dissemination
Distribution:	PU
Version:	1.0
Total number of pages (including cover):	11

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1 Introduction

The deliverable describes the portal for online courses, publications, presentations. seminars, test suite and software presentations in POEMA project. We also present some brief guidelines for the dissemination process in POEMA.

2   Web portal for online courses, publications, presentations, seminars, test suite and software presentation

2.1 Scientific publications

The scientific publications by POEMA members are accessible from the project website for public use. POEMA network will strongly commit itself to open-access publishing, in order to provide public access to the scientific production and to maximize the impact of its research output. For all other publications and dissemination activities of the project, the responsible project partners should consider enabling open access as well. All articles produced in POEMA will be made available through the archive platform HAL or (ArXiv) in addition to journal publications. If the publication is only on arXiv, a copied link will be uploaded on HAL, via the bibtex entry of the publication with its link to ArXiv. For all the publication related to POEMA network, metadata indicating the link with POEMA with be provided. It is required that an acknowledgement to POEMA network should as follows be mentioned in the paper: "**This work has been supported by European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie Actions, grant agreement 813211 (POEMA)** ".

The list of publications of POEMA network will be automatically captured and imported on POEMA website, from the platform HAL provided they are labelled to POEMA project.
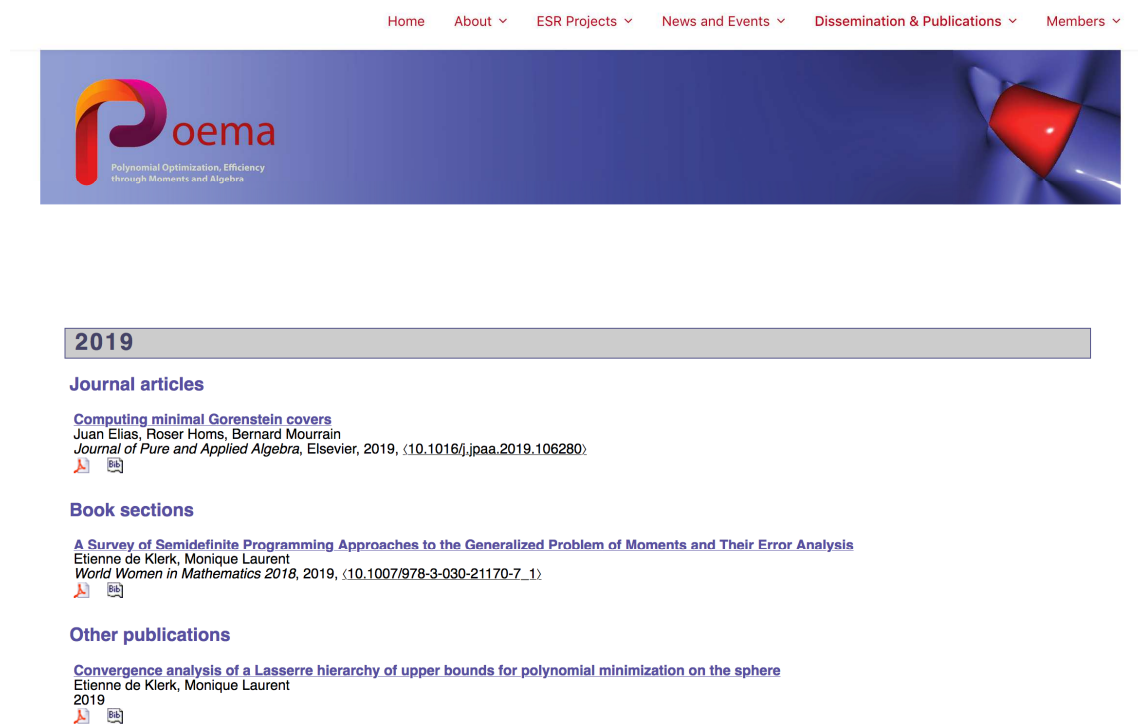

Figure 1: Scientific publications record on POEMA's website

2.2 Online courses, presentations and seminars

Materials from the training events including online courses, tutorials and slide presentations shall also be collected on the network web-portal. It will be built as a portal for newcomers in Polynomial Optimization.
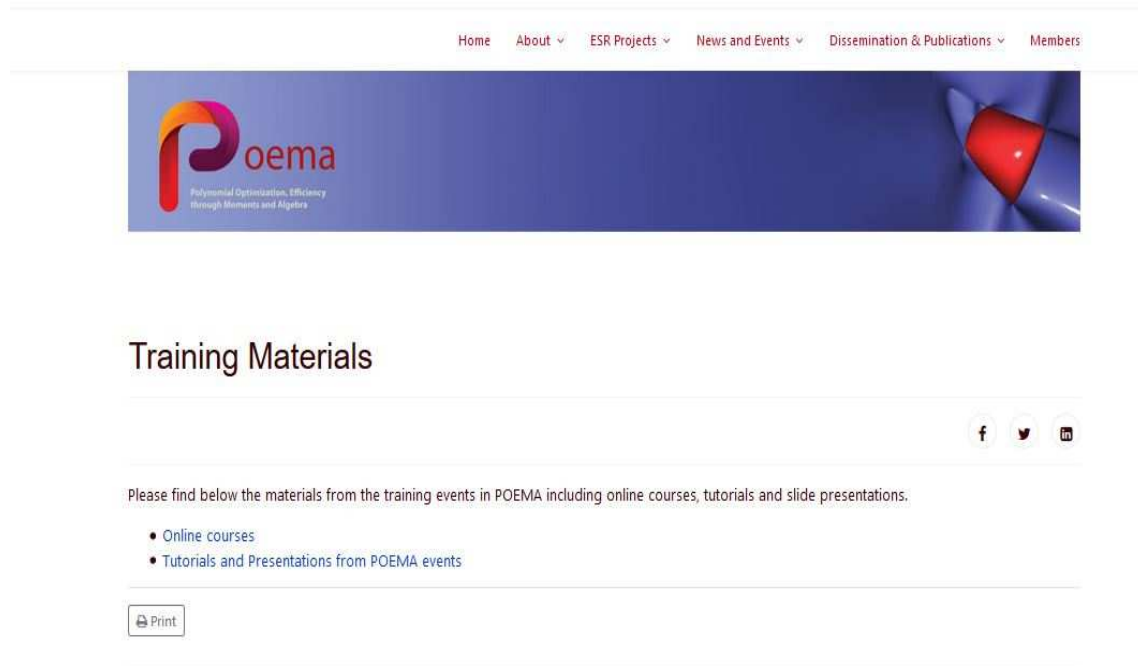

Figure 2: Online courses, tutorials and presentations record from traning events in POEMA

2.3   Test suite and software presentation

An important action for the dissemination inside the community will be the construction of a database of optimization problems that can be used for benchmarking and comparison of algorithms and software. The objective is to make the test suite a reference in the domain of polynomial optimization. Whenever possible, it will be referred to in the publications of the network. The database for polynomial optimisation problems will be publically accessible. Tools to help its usage, interrogation and population will be provided, so that it can be used for effective computation and benchmarking. Also, regarding the software, the project server will provide descriptions of tools for polynomial optimization developed by the partners of the project and how they can be accessed and used.

Figure 3: Test suite and software presentation on POEMA's website

3   General requirements for dissemination materials and dissemination process

3.1   General requirements

All dissemination material to be published either by the project consortium as a whole or by individual project partners should comply with a set of requirements to facilitate optimal awareness of the project's work and its results.

First and foremost, as a beneficiary of the European Commission's Horizon 2020 funding programme, all dissemination for the POEMA project must contain a notice pointing to the H2020 funding. The acknowledgement of EU funding is explained on the EU website. The POEMA project is using these regulatory conditions and includes them in all dissemination material.

The ESR will be driven to disseminate their results in international conferences and to submit articles to Peer-reviewed journals (Foundations of Computational Mathematics, Journal of Symbolic Computation, SIAM Journal on Optimization, Mathematical Programming, Mathematics of Operations Research, Journal of Global Optimization, INFORMS Journal on Computing, SIAM Journal of Control and Optimization, Mathematics of Control, Discrete Optimization, Journal of Global Optimization, Optimization Methods and Software Signals and Systems, Optimization Letters. All peer-reviewed scientific publications relating to the results of the project must comply with the European commission's requirements regarding open access.

When submitting scientific publications and papers to conferences and other events, partners should carefully read the licensing agreement before submission and check whether there are any potential incompatibilities with the research result access preconditions of the European Commission. Furthermore, all dissemination material, depending on format and context, we provide the following guidelines:

- Clear, concise and easy to digest format and content, depending on the audience targeted
- Material should be focused on what the POEMA project does, goals and main R&D results
- Ideally, all material should have some layout aspects in common to make ensure a high recognition value for the POEMA project. Towards this end, the following dissemination material has been provided to all consortium partners for use:
  ➢ High resolution EU Horizon 2020 funding logos and partner logos
  ➢ PowerPoint presentation template including: EU H2020 funding notice, POEMA project logo, contact details of project coordination and technical lead, some slides to introduce the project
  ➢ POEMA flyer template

3.2   Dissemination process

There is a form on the website for POEMA partners to fill in the events they will attend. This information should be provided information as early as possible, i.e., before the activity starts.

Add an event

Required *

Type of dissemination and/or
communication activity *

Choose a value

Title of event *

Abbreviation *

Link to the event website *

Start date *

End date *

Title of contribution *

Link to the slides

Name of author(s)/speaker(s) *

Involved project partner *

Type of audience reached *

Choose a value

Estimated number of persons reached *

Email address *

Submit

Figure 4: Event form for POEMA's members

The data from the above form will then be automatically extracted to the list of dissemination activities recorded on the website page under "Member" part and accessed by POEMA beneficiaries, associate partners and Phd researchers. These dissemination activities will then be published as project news. And if there is any talk by POEMA members available in the conference/workshop, the presentation will be presented under "Papers and Talks"

List of Events

You can sort the events by clicking on column "Start date"

Id	Type of dissemination and/or communication activity	Title of event	Abbreviation	Link to the event website	Start date	End date	Title of contribution	Link to the slides	Name of author(s)/speaker(s)	Involved project partner	Type of audience reached	Estimated number of persons reached
15	Participation to a Workshop	Real Applied Algebraic Geometry	Real Applied Algebraic Geometry	https://www3.math.tu-berlin.de/algebra/RAAG/	19.09.2019	20.09.2019	Participation		Claus Scheiderer	UKON	Scientific community	100
13	Organisation of a workshop	Analytical and combinatorial aspects of quantum information theory	Analytical and combinatorial aspects of quantum information theory	https://www.icms.org.uk/quantuminformationtheory.php	09.09.2019	13.09.2019	Workshop organisation		Monique Laurent	CWI	Scientific community	100
14	Participation to a Workshop	Tropical Methods in Real Algebraic Geometry	Tropical Methods in Real Algebraic Geometry	https://www.birs.ca/events/2019/5-day-workshops/19w5100/	08.09.2019	13.09.2019	Participation		Claus Scheiderer	UKON	Scientific community	100
12	Participation to a Conference	Maia 2019	Maia	https://www.esi.ac.at/	26.08.2019	30.08.2019	Giving talks		Bernard Mourrain	INRIA	Scientific community	100
11	Participation to a Conference	ICCOPT 2019	ICCOPT 2019	https://iccopt2019.berlin/	03.08.2019	08.08.2019	Participation		Cordian Riener	UiT	Scientific community	100
9	Participation to a Conference	SIAM	SIAM	https://mathsites.unibe.ch/siamag19/index.php?location=home	09.07.2019	13.07.2019	Participation and Giving Talks		Bernard, Mohab, Markus, Giorgio, Cordian, Klaus, Victor, Milan, Monique	INRIA, SU, UKON, UNIFI, UiT, LAAS	Scientific community	100
7	Participation to a Conference	Mega 2019	Mega	http://eventos.ucm.es/12097/detail/mega-2019.html	17.06.2019	21.06.2019	Giving talks		Bernard Mourrain, Cordian Riener	INRIA, UiT	Scientific community	200
8	Participation to a Conference	A^3 — Arctic Applied Algebra	A^3	https://site.uit.no/aaa/	01.04.2019	05.04.2019	Giving talks		Bernard Mourrain, Evelyn Hubert, Markus Schweighofer, Mohab Safey El Din	INRIA, UiT, UKON, SU	Scientific community	200
10	Participation to a Workshop	Geometry of Real Polynomials, Convexity and Optimization	Geometry of Real Polynomials, Convexity and Optimization	https://www.birs.ca/events/2019/5-day-workshops/19w5180	26.05.2018	31.05.2019	Participation		Didier Henrion (LAAS-CNRS), Jean Bernard Lasserre (LAAS-CNRS), Cordian Riener (UiT), Salma Kuhlmann (UKON), Mohab Safey El Din (SU)	CNRS, UiT, UKON, SU	Scientific community	100

Figure 5: List of event recorded internally on POEMA's website