



The role of Fluid pressure in EArthquake Triggering

Results

Project Information

FEAT

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[Project website](#)

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€ 180 277,20

Coordinated by

UNIVERSITA DEGLI STUDI DI
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Italy

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Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from [OpenAIRE](#) .

Publications

[Peer reviewed articles \(8\)](#)



[Dynamically triggered slip leading to sustained fault gouge weakening under laboratory shear conditions](#) 

Author(s): P. A. Johnson, J. Carmeliet, H. M. Savage, M. Scuderi, B. M. Carpenter, R. A. Guyer, E. G. Daub, C. Marone

Published in: Geophysical Research Letters, Issue 43/4, 2016, Page(s) 1559-1565, ISSN 0094-8276

Publisher: American Geophysical Union

DOI: 10.1002/2015GL067056

[Fault geometry and mechanics of marly carbonate multilayers: An integrated field and laboratory study from the Northern Apennines, Italy](#) 

Author(s): C. Giorgetti, C. Collettini, M.M. Scuderi, M.R. Barchi, T. Tesei

Published in: Journal of Structural Geology, Issue 93, 2016, Page(s) 1-16, ISSN 0191-8141

Publisher: Pergamon Press Ltd.

DOI: 10.1016/j.jsg.2016.10.001

[The role of fluid pressure in induced vs. triggered seismicity: insights from rock deformation experiments on carbonates](#) 

Author(s): Marco M. Scuderi, Cristiano Collettini

Published in: Scientific Reports, Issue 6, 2016, Page(s) 24852, ISSN 2045-2322

Publisher: Nature Publishing Group

DOI: 10.1038/srep24852

[Laboratory observations of slow earthquakes and the spectrum of tectonic fault slip modes](#) 

Author(s): J. R. Leeman, D. M. Saffer, M. M. Scuderi, C. Marone

Published in: Nature Communications, Issue 7, 2016, Page(s) 11104, ISSN 2041-1723

Publisher: Nature Publishing Group

DOI: 10.1038/ncomms11104

[On the evolution of elastic properties during laboratory stick-slip experiments spanning the transition from slow slip to dynamic rupture](#) 

Author(s): E. Tinti, M. M. Scuderi, L. Scognamiglio, G. Di Stefano, C. Marone, C. Collettini

Published in: Journal of Geophysical Research: Solid Earth, Issue 121/12, 2016, Page(s) 8569-8594, ISSN 2169-9313

Publisher: AGU

DOI: 10.1002/2016JB013545

[Precursory changes in seismic velocity for the spectrum of earthquake failure modes](#) 

Author(s): M. M. Scuderi, C. Marone, E. Tinti, G. Di Stefano, C. Collettini

Published in: Nature Geoscience, Issue 9/9, 2016, Page(s) 695-700, ISSN 1752-0894

Publisher: Nature Publishing Group

DOI: 10.1038/NGEO2775

[Frictional stability and earthquake triggering during fluid pressure stimulation of an experimental fault](#)



Author(s): M.M. Scuderi, C. Collettini, C. Marone

Published in: Earth and Planetary Science Letters, Issue 477, 2017, Page(s) 84-96, ISSN 0012-821X

Publisher: Elsevier BV

DOI: 10.1016/j.epsl.2017.08.009

[Evolution of shear fabric in granular fault gouge from stable sliding to stick slip and implications for fault slip mode](#)

Author(s): M.M. Scuderi, C. Collettini, C. Viti, E. Tinti, C. Marone

Published in: Geology, 2017, Page(s) G39033.1, ISSN 0091-7613

Publisher: Geological Society of America

DOI: 10.1130/G39033.1

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