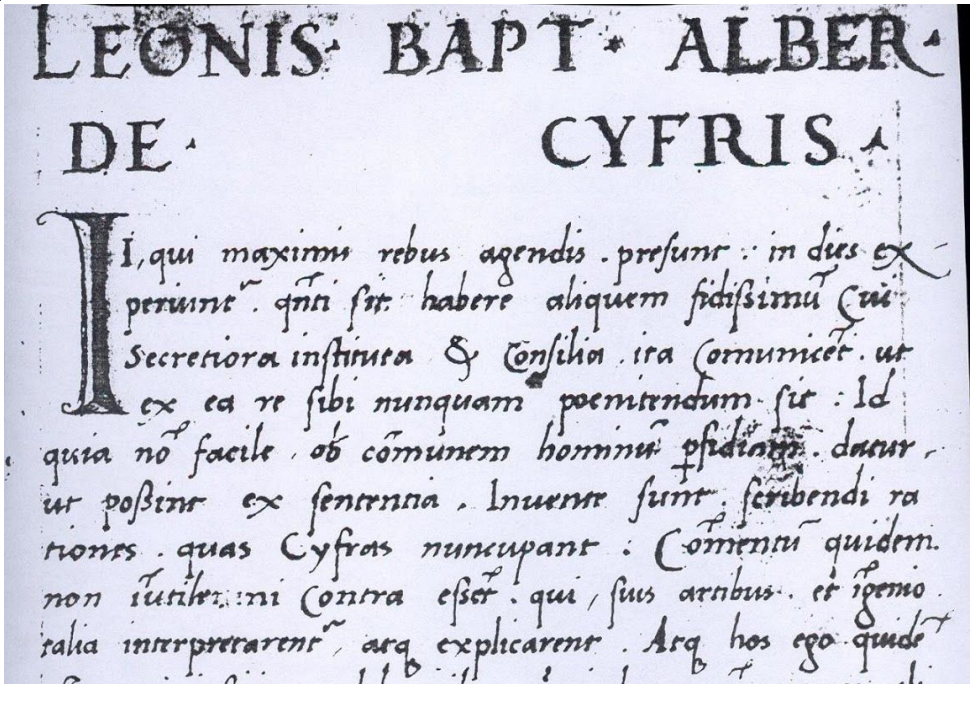
LEONIS BAPT. ALBER-
DE CYFRIS.

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Secretiora instituta & Consilia ita communicet. ut
ex ea re sibi nunquam poeniteudum sit: Id
quia nõ facile ob cõmunem hominũ ptidiam. datur.
ut possint ex sententia. Inuenta sunt. scribendi ra
tiones. quas Cyfras nuncupant: Comentu quidem.
non iutilem. ni Contra esset. qui, suis artibus. et igemo
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De Cifris Schola Latina

DIPARTIMENTO DI INFORMATICA
SAPIENZA UNIVERSITÀ DI ROMA

disim

UNIVERSITA' degli STUDI di ROMA TOR VERGATA

ROMA TRE UNIVERSITÀ DEGLI STUDI

Friday 3rd July 2020 – at 3:00 p.m.
Roma Tre University
Teams Meeting, Department of Mathematics and Physics

FRANCESCO PASQUALE

Università di Roma Tor Vergata

Stabilization and expansion of simple dynamic random graph models for Bitcoin-like unstructured P2P networks

Abstract: *The Bitcoin P2P network is formed by thousands of nodes running the Bitcoin protocol. While the nodes participating in the network are mostly known, the peer discovery process in the protocol is explicitly designed to hide the global network structure. In this talk, we present a simple dynamic random graph model inspired by the peer discovery process in the Bitcoin protocol and we analyze its robustness with respect to stabilization and expansion: We show that the network dynamics quickly converges to a stable random graph that turns out to be a good expander, with high probability.*

Contact person: Marco Pedicini

Address: Roma Tre University
Teams Meeting link: **https://bit.ly/2AWogQ0**

CONTATTI
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