



AlgoSphere: Challenges on Developing Real-Time Algorithms

Powered by ASML

Gareth Thomas on the 10 of October 2024

ASML

Why?

Share a passion:
Algorithm Development
and/or
Algorithm Deployment
We are not alone

**Minimize the effort
Idea to Production
by sharing stories
without management**

Create a safe
environment to
share some of
our war stories

**Make some
friends and talk
with a few beers**



Newbie

just starting with algorithms



Casual User

Develops / deploys as a hobby



Proficient User

Develops / deploys full time job



Developer

Builds infrastructure for others to be productive





Newbie

just starting with algorithms

🚀 20,000 Leagues Under MATLAB, Python, and Julia: A Numerical Journey!
By Jorge Viegrya 🌐 ...more

The screenshot shows the AlgoSphere event page for the '20,000 Leagues Under MATLAB, Python, and Julia: A Numerical Journey' talk. It includes the event title, date (10 oct 2024), location (Café 100 watt, Bleekweg 1, 5611 EZ Eindhoven), and a QR code. The page also features a photo of Jorge Viegrya and a brief description of his talk.



Casual User

Develops / deploys as a hobby

Say hello to the Fourier-Domain Dedisperion (FDD) algorithm—the ...more



The screenshot shows the AlgoSphere event page for the 'Fourier-Domain Dedisperion (FDD)' talk. It includes the event title, date (10 oct 2024), location (Café 100 watt, Bleekweg 1, 5611 EZ Eindhoven), and a QR code. The page also features a photo of a woman and a brief description of her talk.



Proficient User

Develops / deploys full time job

🚀 From Startups to Setbacks: My Journey in Sensor Fusion Tech by Marcus Forte ✎ ...more

The screenshot shows the AlgoSphere event page for the 'From Startups to Setbacks: My Journey in Sensor Fusion Tech' talk. It includes the event title, date (10 oct 2024), location (Café 100 watt, Bleekweg 1, 5611 EZ Eindhoven), and a QR code. The page also features a photo of Marcus Forte and a brief description of his talk.



Developer

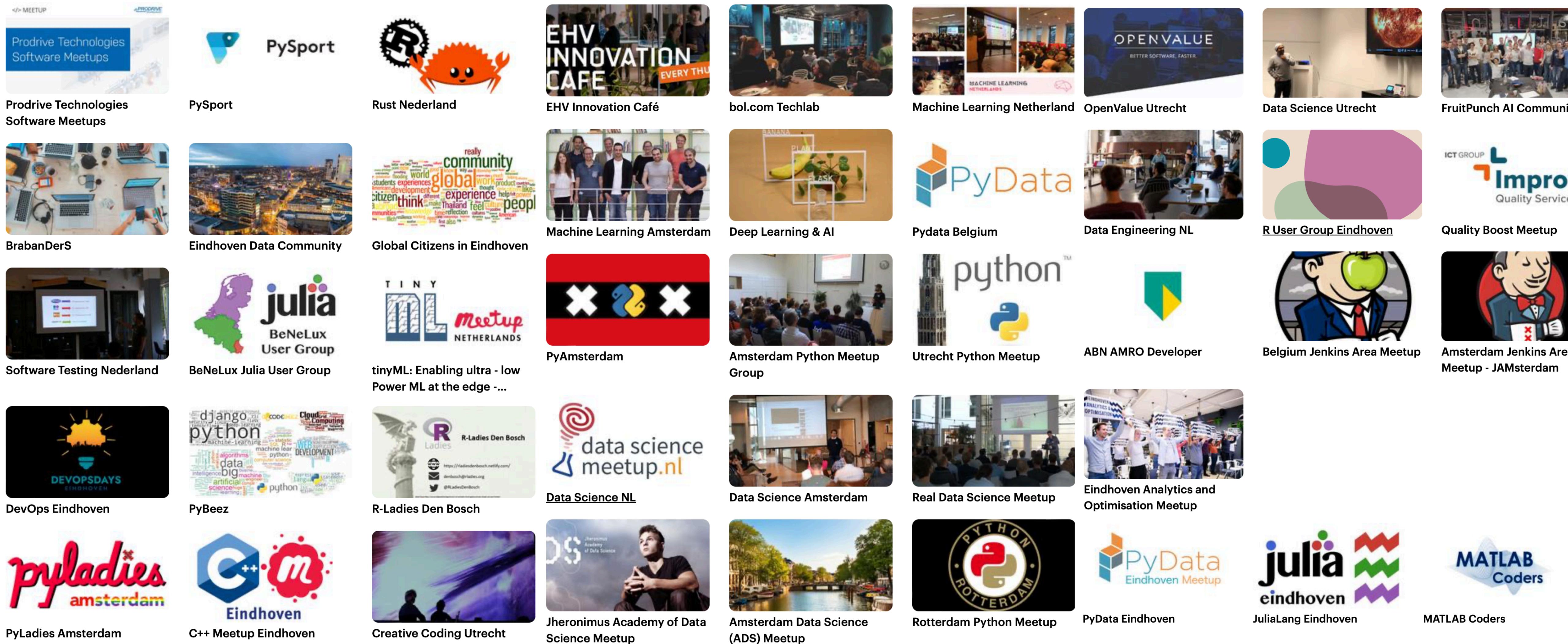
Builds infrastructure for others to be productive



Community
Announcements...

Other interesting Meetups in the region

if you know of others let me know



**Would you like to announce
anything?**



Would you like to help?



Guidelines...

#1

If you say something

or

something funny

you get a sweet



#2

If you say something

smart

you get a

bigger sweet



#3

The person with the most
sweets wins a
limoncello



Agenda

18:00 – Welcome by Gareth Thomas

18:15 - Jorge Vieyra (ASML)

20,000 Leagues Under MATLAB, Python and Julia: A numerical Journey

18:45 - Dinner

19:30 – Marcus Forte (Sioux/Vanderlande)

War stories with sensor fusion

20:00 – Steven van der Flugt (ASTRON)

Co-Design in radio astronomy, a use case in Fourier domain dedispersion

20:30 - Networking and (FREE) drinks

21:00 - Drinks are NO LONGER FREE

Thank our sponsors:

ASML



A few announcements

&

questions

#1

Next Meetup:

Date to be Defined

but it will be here

(Tell your FRIENDS!)

#2

**Did you like this Event?
(what could be better?)**

#3

Would you like give a talk?
Or do you know someone
else who would?

#4

Would you like to help
organize more AlgoSphere
meetups?

#5

**Would your company like
to host a AlgoSphere
Meetup?**

Row Labels	Count of Company
?	19
ASML	11
Philips	1
The Future Group	1
Vanderlande	1
Baidu	1
Maxigol	1
CQM	1
Sioux	1
Fontys	1
TU/e	1
Founder	1
VersionBay	1
ICT	1
ARION	1
MathWorks	1
Grand Total	44

Row Labels	Count of Job
?	19
Freelancer	2
Design Engineer	2
Intern	2
Talent Community Manager	1
Senerio Software Designer	1
Co-Founder	1
Data Scientist	1
Software Development Engineer	1
Algorithm Deployment Architect	1
Training	1
Embedded SW Engineer	1
Project Intern	1
Architect	1
Senior PLM Architect	1
Functional Architect	1
Sr. Design Engineer	1
Global Digital Platform Manager	1
Technical Product Manager	1
Biomedical Engineer	1
Verintec	1
Master CS	1
Metrology Engineer	1
Grand Total	44

14 Companies

22 Job titles



