Circuits Multi-Projets®

MPW Services Center for ICs, Photonics, & MEMS
Prototyping & Low Volume Production
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Access to IPs for MPW services

CMP provides access to MPW services makes available and affordable **world class advanced CMOS /MEMS technologies** as well as **mature and/or niche market technologies** to cover a wide range of applications.

Access to **IPs remains an issue** in many technologies to lower the main barriers: **time, cost, expertise**

**From layout to chips**
A case study for the MPW community

STMicroelectronics 28FD-SOI MPW service success story:

- A worldwide community of users with over 200 active NDA/CLA in place

- Since 2015 over 180 tape-out with practical validations!
Is there a place for IP sharing?

- Is there an opportunity to have access to IP blocks?

Assumptions:
5 to 10 IPs per prototype
5 to 10% of MPW service users willing to share their IPs
Already about 150 prototypes delivered and tested!

Between 40 and 150 IP blocks could be shared!
Is there a place for IP sharing?

Is there a business model for sharing IPs?
Assumptions:
- IPs are not fully reliable
- IPs need to be a bit “packaged” (description, characteristics)
No royalty business can be expected / Limited risk!

Who will prepare descriptions & characteristics?
Who will organize a direct non profitable business?

- MPW users
- MPW service organizers

Why?
Because it is in their interest! More with less
Users access and participate to a community per technology
MPW service organizers get more circuits and are ready to handle the IP sharing.
Is there a place for IP sharing?

- **How?**
  
  **Producing and offering a simple frame:**
  A user network secured by active NDA/CLA per technology
  A web application with all data available and the possibility to put a request, even to chat with the IP block provider.

  **With simple terms and conditions:**
  MPW services organize and own DK legal issues & operate data transfer with users’ community.
  A simple IP block license agreement can be set online.

**And offers “nature” rewards to participants such as:**
Commitment to reference past work related to shared IP block
User community building and visibility.

Help us making this IP block sharing service *a sustainable business*
**Possible through CMP**

- **Online IP and expertise catalog.** Called Add-On services, you will find complementary services, with and IP catalog to be filled up!

- **Release in January 2019,** **Online web application to access DK and IP blocks,** within the community of users per technology!

- **Come and speak with us how to share your IP block on any of CMP technology service**
Join us in **Paris on February 7th 2019** for next CMP annual meeting. New services / Update on technology portfolio. New technology introduction from providers’ experts! All presentations are in English.

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