

Association openmovement  
[www.openmovement.org](http://www.openmovement.org)



**Here at La-Chaux-de-Fonds,  
we are writing a new  
chapter in the history of  
Swiss Watchmaking –  
Join us in writing it!**

**OM**  
WATCHMAKING 2.0



## The openmovement association is developing two movements under open source license and you can be a part of our deciding next step

### THE IDEA

Openmovement is a community developing two new base movements, the OM10 and OM20, in accordance with the principles of open source development. Open Source is a cooperation technique by which development activity is open to all. The concept of open source development comes from the software industry, and noted examples include Firefox, Linux and Wordpress. Through the construction of two new movements and the publication of all drawings, openmovement will make accumulated decades of knowledge in the watchmaking sector available to all.

### OUR AIMS

Openmovement is watchmaking 2.0 – cooperation instead of everybody working independently. Instead of reinventing the wheel each time, base movement kits will be produced and designs shared which can be modified or expanded on by any watch manufacturer.

We also share our production parts for use in educational facilities and schools for watchmakers.

Through the openly available plans and design details, companies can share their competences in the development of additional modules, and in manufacturing. Specialised companies, large and small, will be able to cooperate in the manufacture of watch movements and parts, and build up a powerful network to supplement the large, vertically integrated companies in the watchmaking industry. Thus, the work of openmovement supports an independent network as part of the Swiss watchmaking industry.

### THE NEXT STEP

The design of the movement is now completed after years of support from volunteers, donors and members contributions. Now the OM10 movement is ready for production. For the next phase, development of functional prototypes, we need a new round of financing – contributions in the order of CHF 300'000.–. This money will finance the production of the first 20 manual wind OM10 movements. The goal is to demonstrate a tested and proven watch movement based on our current design.

The finance includes production and assembly of the components of the prototype movement and extensive testing, as well as the donor reward watches.

### THE SUPPORT

Prototypes are highly sought by watch enthusiasts. This is your chance to secure in advance a limited prototype in a finished watch.

Ten movement prototypes will be finished and regulated by our experts, and cased in a specially designed fully finished, unique watch.

These watches will be numbered and can also be engraved to your specification.

With a contribution of CHF 30'000.–, you are contributing to the development of a pioneering project in the Swiss watch industry and will be rewarded with your own unique watch with the first serialized prototypes of the OM10 movement.

## THE PROTOTPYE

The prototype is a finished, ready-to-wear watch with the following features:

- Material: stainless steel
- Case diameter: 40 mm
- Case thickness including crystal: 11.3 mm
- Strap: rubber
- Waterproof: 3 bar
- Case ring: soft metal for magnetization protection
- Case back closed for better protection, but available with crystal upon request
- Design made by openmovement



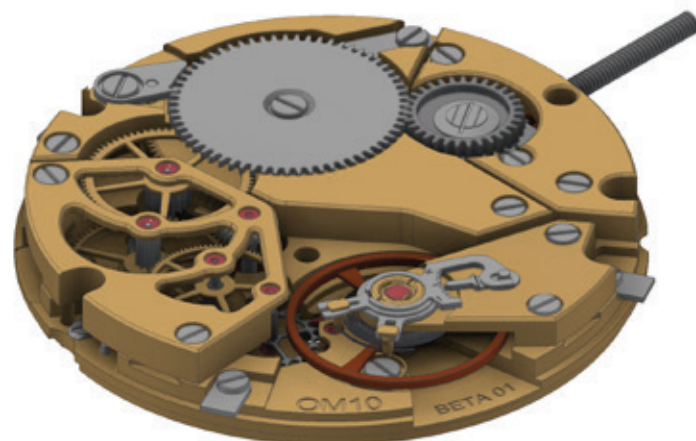
**Interested? Please return the completed form.**

**Any questions?  
open@openmovement.org**



## OM10 TECHNICAL SPECIFICATIONS

- Movement diameter 13 ¼", 30 mm
- Movement thickness manual wind: 4.5 mm
- Beat Rate: 3.5 Hz / 25,200 bph
- Theoretical power reserve: 78 hours
- Hour, Minute, small second, date



## Background Information

### THE ASSOCIATION

The founding association was established in 2009 and currently has 36 members, most of them self-employed active watchmakers and companies in the Swiss watch industry. The on-line forum has over 500 members from all over the world. The movements are being developed by a group of construction engineers free of charge as an investment into our future. Feedback from the on-line community ends up in the construction engineering group. The OM10 movement is now ready for prototyping.

The board is made up of founding member Roman Winiger, La Chaux-de-Fonds (President), Christoph Schnee, Basel (Vice President), David Olafsson, La Chaux-de-Fonds (board member), Marion Müller, Kappel am Albis (board member), and Cédric Auberson, Epautheyres (Treasurer).

The construction group consists of Roman Winiger, Gaylord de Lamarlière, David Olafsson, Cédric Auberson, Jérémy Freléchox, Olivier Mory and Richard Saunier. You can find more information on the group in the appendix.

### THE BENEFITS

We are strengthening expertise in Switzerland and for watchmaking in general by providing a specific application, that allows everyone to use their own knowledge and know-how. This expertise is in danger of being lost because of the vertical integration and confidentiality practices of only a few existing movement manufacturers. Openmovement can help Switzerland to keep its pre-eminent position in international watchmaking. Outside Switzerland, specialized watchmaking knowledge is needed to maintain watches exported from Switzerland. In addition, each quality mechanical watch manufactured outside Switzerland contributes to diversity, and in the end to the fascination for mechanical timepieces evinced by an international clientele.

Open Source is a shared investment that offers a wide application through shared production and new possibilities for all involved. Through pooling the production of parts by many watch manufacturers with individual small volumes, a larger and economically viable production volume is created. This will create a win-win situation for all involved, and through the diversification of available products, an interesting advantage for the end customer.

Another advantage is that each watch manufacturer can determine his own grade of finishing according to his knowledge and desired quality of the end product. This will create a new cooperative competition that will enhance the variety of mechanical watches available.

### LOOKING TOWARDS THE FUTURE

After the prototyping and test phase, we will make final improvements if necessary, and then have the parts kits produced. This allows each watch manufacturer to benefit from the shared parts production by ordering and putting together their own OM10 movements.

Through a profit margin on the parts kits, openmovement can continue to finance their work.

With the start of parts kits sales, the PDF drawings for the movements will be published. For other electronic resources, such as STEP or inventor files, we are considering a licence system that will ensure the professionalisation of openmovement.

The Open Source drawings will also offer a huge advantage to training centres (Watchmaking schools, HES, other training centres), as they offer a clear basis for their work, and production possibilities for students projects.

## Form

I want to support the work of the openmovement association by providing CHF 30'000.–.

First Name & Surname \_\_\_\_\_

Company \_\_\_\_\_

Address including country \_\_\_\_\_

\_\_\_\_\_

E-Mail \_\_\_\_\_

Telephone \_\_\_\_\_

(Please tick the appropriate boxes)

I/we would like to become honorary members of the openmovement association for 5 years.  Yes  No

I/we agree to have our name published in openmovement communications with regards to this project.  Yes  No

Your money will be used to manufacture 20 type OM10 prototype watches. Ten of those will be finished for a special limited series.

As a sponsor, you will receive one of the prototype watches as described in this publication, numbered, and if requested, individually engraved. Small design alterations might be made.

The watch will be handed over to you personally in Switzerland together with a photo documentation of the production steps.

### Timescales

The prototype watches will be delivered by April 2023 the latest, under the provision that the full amount of financing will be obtained.

We are aiming for an end of production in autumn 2022, but this will depend on the progress of the project, necessary alterations, and production schedules.

With your signature, you agree to contribute CHF 30'000.– to the openmovement project. You will receive an invoice for your contribution. After having issued your invoice, we reserve your prototype watch for 20 days. If we receive payment within those 20 days, your reservation will be successful.

The openmovement association is not yet a non-profit organization.

\_\_\_\_\_  
Place / Date / Signature(s)

The openmovement association reserves the right to extend the sponsored prototype series to 12 watches. All 12 watches will be numbered and engraved if requested.

Unused funds will be used for the construction of the automatic version of the OM10.

### Procedure if we fail to raise the money for the prototype phase

Our adjusted aim is to raise the total amount by 12/31/2021. If we haven't raised at least CHF 240'000.– by then, or if we cannot go ahead with the project in combination with other substantial support, we will fully refund your contribution. We can not pay any interest on your funds, nor will be able to provide a prototype if we refund you.

The openmovement association and their expert members will do their best to finish this project successfully, but no legal claims can be made regarding the completion of the project.

# Appendix

Dossier OM10

08/2021





# Roman Winiger

## Winiger Horloger, La Chaux-de-Fonds (President)

Born 1972 in Zurich, Switzerland

Lives in La Chaux-de-Fonds since 1994



### DEPUIS 2007

Winiger Horloger, atelier indépendant

- Constructions, confection de prototypes, gestion de projets, montage de montres simples et compliquées
- Réparation et restauration de garde temps et automates, pour musées, entreprises et privés
- Enseignement, remplacements ou maître occasionnel dans les écoles d'horlogeries
- Travaux mécaniques pour facteurs d'instruments
- Conception et confection de montres Winiger Horloger

### 1997 À 2007

Parmigiani Fleurier SA, restauration d'horlogerie ancienne

### 1996 À 1997

Musée international d'horlogerie (MIH), stage 7 mois après formation

### 1994 À 1996

CPJN, La Chaux-de-Fonds (aujourd'hui CIFOM), diplôme de technicien ET en restauration d'horlogerie ancienne

### 1992 À 1994

Jaeger Le Coultre, Le Sentier, horloger au sein du SAV

### 1988 À 1992

Saurer Uhren Bijouterie, Pfäffikon ZH, apprentissage horloger rhabilleur

### DIVERS

- Initiateur et Président de l'association openmovement
- Fondateur et horloger-brasseur de la « nouvelle » Comète, brasserie de bières bio
- Membre de la commission MIH du conseil communal 2007–2015
- Organisateur de soirées pour passionnés d'horlogerie
- Création et réalisation d'une horloge éolienne, 2004
- Création et réalisation de l'installation « Instants volants-instants d'ailleurs », Neuch à toi/MIH, 2006

# Christoph Schnee

## Belchengruppe GmbH, Basel (Vice-President)

Born 1971 in Aachen, Germany

Lives in Basel since 2009



- 2019** Verkaufstart der 1. Kollektion der Belchengruppe
  - 2017** CAS Produktmanager SGO Business School
  - SEIT 2016** Basler Versicherungen AG, Basel: Kommunikationsverantwortlicher für die Pensionskassenprodukte
  - SEIT 2013** Belchengruppe GmbH, Basel: Gründer und Geschäftsführer
  - 2011 – 2016** Basler Versicherungen AG, Basel: Client Experience Manager
  - 2009 – 2011** Interone Worldwide Hamburg: Senior Konzepter Online
  - 2008 – 2009** people interactive Köln: Referent Public Relations/ New Business
  - 2007 – 2008** Interone Worldwide Hamburg: Senior Konzepter Online
  - 2002 – 2007** 16zwei, Offenbach: freiberuflicher Kommunikationsberater
  - 1999 – 2001** marchFIRST Hamburg: Online Concept Manager
  - 1998 – 2000** Aufbaustudium Kulturmanagement, Hochschule für Musik und Theater Hamburg
  - 1991 – 1998** Studium Produktdesign, Hochschule für bildende Künste Hamburg
- 
- DIVERS**
    - seit 2016: Gründungsmitglied des Vereins kreaB – Kreativwirtschaft Basel
    - seit 2004: Mitglied der Junior Chamber International
    - seit 2005: Mitglied des Deutschen Werkbund Hessen e.V.

# Marion Müller

## Uhrenatelier M. Müller, Kappel am Albis (Board member)

Born 1964, Switzerland

Living in Zug



**SEIT 07/2010** Revisionen komplizierter Arm- und Taschenuhren – Restaurationen antiker Taschenuhren – Prototypenbau – Anfertigungen, Montagen – Schulungen

**10/2007 – 06/2010** WOSTEP, Centre suisse de formation et de perfectionnement horloger: Technical Trainer im Bereich komplizierte Uhren und Restaurationen. Verantwortlich für die Partnerschulen weltweit

**04/1996 – 07/2007** Gübelin AG, Luzern: In den ersten Jahren Reparaturen diverser Kleinuhren, danach Anfertigungen der Unikate

**1989 – 1995** Meister Uhren AG, Zürich: Revisionen und Restaurationen

**1987 – 1988** Beyer Chronometrie, Zürich: Ladenuhrmacherin

**1985 – 1986** Gameo SA, Lausanne, Atelier SAV

**1981 – 1985** IWC Schaffhausen: Lehre als horlogère complète

### DIVERS

- Absolvierung des ersten Semesters im Studiengang «Produktionstechnik – Uhrentechnik» der HFT-SO (Höhere Fachschule für Technik) danach wegen zu langer Anfahrtswege, Absolvierung des Moduls Uhrenkonstruktion, 2005
- Rhetorikkurs bei Reymond Fein vom Kissling Institut, 2004
- Konstruktion und Anfertigung des ersten drei Achsen Tourbillons für Gübelin AG, 2004
- Fachkurse diverser Uhrenmarken

# David Olafsson

## Prototypiste employé, La Chaux-de-Fonds (Board member)

Born 1980, Iceland

Lives in La Chaux-de-Fonds



- DEPUIS 2014** Horloger prototypiste employé chez Concepto Watch Factory. Suivi de projet. Montage de prototype et suivi de projet au stade de production. Grande flux aussi bien que haute de gamme et complications
- 2013 – 2014** Chronode. Horloger prototypiste
- 2012 – 2013** Centagora. Horloger rhabilleur
- 2010 – 2012** Girard Perregaux. Horloger rhabilleur Haute de gamme et SAV pièces complications
- 2007 – 2010** Manufacture Christophe Claret. Horloger Rhabilleur pièces complications
- 2004 – 2007** Borensberg Urmakarskola (École horloger de Borensberg), Suede. Wostep 3000
- DIVERS** ■ Depuis 2012, Étude de Bachelor of Engineering. The Open University, Angleterre

# Cédric Auberson

## Enseignant au CIFOM Ecole Technique, Le Locle (Treasurer)

Born 19.09.1985, Essertines-sur-Yverdon

Lives in Epautheyres since 2019



- DEPUIS 2009** CIFOM – ET : Enseignant horloger
- Pratique d'atelier sur les bases horlogères, le réglage, l'achevage et le pivotage
  - Enseignement théorique des bases horlogères, du calcul professionnel, du dessin à la planche et de la DAO
- 2010 À 2013** CIFOM – EST, Le Locle, Diplôme de technicien ES en micro-technique, conception horlogère (ECOTS)
- 2009 À 2010** Institut fédéral des hautes études en formation professionnelle, Renens, Certificat fédéral d'aptitude pédagogique (600h)
- 2007 À 2009** Audemars Piguet (Renaud & Papi) SA, Le Locle, assemblage de montres avec chrono-tourbillon
- 2005 À 2007** Armée suisse, Drognens, sergent de circulation
- 2004 À 2005** ETVJ, Le Sentier, CFC horloger rhabilleur
- 2001 À 2004** ETVJ, Le Sentier, CFC horloger praticien + maturité professionnelle technique
- DIVERS**
- Modélisation d'une pièce école «CIFOM» sur Inventor
  - Réalisation des illustrations pour le nouveau livre sur les échappements de la fédération des écoles techniques
  - Corrections et modifications du livre de théorie d'horlogerie de la fédération des écoles techniques, en cours
  - Secrétaire de la société de tir sportif 300m à Essertines-sur-Yverdon depuis 2007

# Richard Saunier

## Valiance, Constructeur, La Chaux-de-Fonds (Case Construction)

Born 1988 , La Chaux-de-Fonds



- DEPUIS 2019** Valiance, Constructeur / Chef de projet (Bracelets et éléments d'habillage surmoulés en caoutchouc)
  - 2016 À 2019** Bouille & Cie, Constructeur habillage (Boîtes)
  - 2011 À 2016** Cornu & Cie Constructeur habillage (Boucles / Fermoirs / Bracelets métal)
  - 2008 À 2011** Bachelor of Science, Ingénieur designer, HE-Arc, Le Locle
  - 2004 À 2008** CFC + Maturité professionnelle, Automaticien, CIFOM, Le Locle
- DIVERS**
- Co-fondateur du Fablab La Chaux-de-Fonds
  - 2018, Initiateur du projet Temps-mieux (Fabrication éthique et 100% locale de bracelets de montres)

# Gaylord de Lamarlière

## 109 degrés, ingénieur en micro-technique (Construction Committee)

Born 1986, France  
Lives in Neuchâtel



- DEPUIS 2015** 109 degrés, Ingénieur indépendant, développement de mouvements horlogers, dimensionnement mécanique et simulation numérique, formation, conseil et support
- 2011 À 2014** Tag Heuer SA, Ingénieur en construction mouvements
- 2009 À 2011** Les artisans horlogers SARL, constructeur mouvements
- 2007 À 2009** Ingénieur HES, HE-ARC Le Locle
- DIVERS**
- Membre constructeur OM10 depuis 2014
  - Inventeur de l'échappement « mikrogirder »

# Jérémy Freléchox

## Timeforge & Vanguard, La Chaux-de-Fonds (Construction Committee)

Born 1982, Delémont

Lives in La Chaux-de-Fonds since 2002



### DEPUIS 2017

Timeforge sàrl et Vanguard SA

- Conception et production de mécanismes de montres, du mécanisme simple à la grande complication.
- Optimisation de mécanismes existants.
- Spécialiste en calculs et optimisations de micro-engrenages.
- Conception et assemblage des montres Vanguard.

### 2007 À 2017

Audemars Piguet (Renaud & Papi) SA, concepteur mouvement

### 2001 À 2007

Girard-Perregaux SA, horloger de laboratoire et constructeur mouvement

### 1998 À 2001

Ecole d'horlogerie de Porrentruy, Apprentissage d'horloger rhabilleur

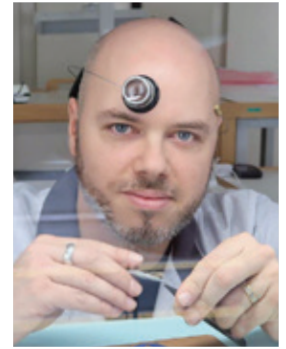


# Olivier Mory

## Indépendant OM-Mechanics, La Chaux-de-Fonds (Construction Committee)

Born 1982

Lives in La Chaux-de-Fonds since 2005



- DEPUIS 2016** OM Mechanics
- Construction, Analyses Labo et Formations Horlogères
  - Conception et confection des montres SKILL
  - Enseignement occasionnel dans les écoles d'horlogerie
  - Cours privé
  - Assemblage de produits pour marques tierces
- 2011 À 2016** Manufacture Horlogère Valflourier, Responsable du Laboratoire Horloger. Protos et Analyses pour diverses marques du groupe Richemont
- 2005 À 2011** Sellita SA, Responsable R&D. Construction et Analyse des mouvements SW200-1, SW300, SW500, SW1000.
- 2003 À 2005** Audemars Piguet Renaud & Papi. Horloger en complications / Technicien au bureau des méthodes
- 2002** Lange & Söhne. Formation en entreprise pour équivalence Europro du diplôme Français
- 1997 À 2003** Formation horlogère au Lycée Edgar Faure de Morteau. Conception d'un quantième perpétuel avec dépôt à l'INPI de la solution proposée.
- DIVERS**
- Musicien, Astronome amateur, Restauration de véhicules vintage, Tir sportif
  - Papa de deux enfants