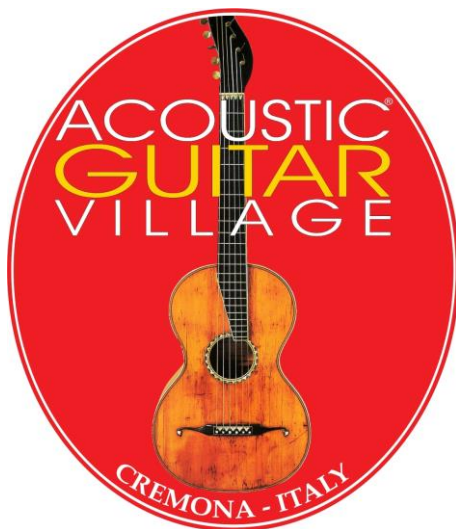


As part of the Event



CremonaFiere, in collaboration with the  
Cultural Association Armadillo Club,  
organizes a

## Masterclass of lutherie for acoustic guitar

28<sup>th</sup> - 30<sup>th</sup> September, 2018

**Teachers:**

***M° Bryan Galloup (US) and M° Charles Fox (US)***

Italian translation and assistance by  
***M° Max Monterosso and M° Piero Guagliumi***

The places are limited

***Application Deadline: 14<sup>th</sup> September 2018***

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**CREMONAFIERE**

P.zza Zelioli Lanzini, 1 26100 Cremona  
Tel.0372.598011 | [info@cremonamondomusica.it](mailto:info@cremonamondomusica.it)

## TERMS AND CONDITIONS

### **Participants:**

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Guitar makers, Guitar players (amateur and professional), guitar fans

### **Working methods:**

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Collective theoretical lectures

### **Teachers**

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#### **M° BRYAN GALLOUP**

Bryan Galloup is an American luthier with more than 35 years of experience under his belt. Michigan based, he has always had the mission of building instruments of excellent quality, with the perfect look and tone for the professional musician. He has always perfectly mixed traditional building with new technologies, and his guitars are proof of his research towards excellence and attention to the smallest details. Each guitar he has build shows his deep knowledge of this instrument and of its evolution.

His School of Lutherie is recognized worldwide and considered by many experts a perfect training in the education of future professional luthiers. Bryan is also one of the most expert luthiers regarding the restoration of vintage instruments, a point of reference for collectors all over the world.

[www.galloupguitars.com](http://www.galloupguitars.com)

#### **M° CHARLES FOX**

Charles Fox has been active in the development of modern American lutherie for 50 years and he enjoys an international reputation as an artisan, designer, consultant and educator. His original design concepts, building techniques and production tools, such as the Universal Side Bender, are widely used by guitar builders and factories all over the world. Charles has been referred to as the dean of educators in the field of guitar making, having founded the first school for guitar makers in North America in 1973 and since then introduced generations of folks to the craft, including many of today's successful luthiers. Today Charles builds guitars and teaches small classes in his Portland, Oregon workshop, imagining that he's retired, for at least twelve hours a day.

### **Calendar dates for the lessons and venue of the course**

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#### **M° BRYAN GALLOUP**

**Friday 28th September, from 10am to 1pm:**

##### ***Fretting; demo/hands on/lecture***

From material selection to final buff, fret work is the single most important topics that affect every guitar's playability and every player's performance. In this class we will move through every aspect of fretting, re-fretting and related issues.

Topics covered are:

- Instrument evaluation
- Identifying fret related issues
- Choosing fret wire
- Fret removal
- Leveling fretboards
- Fret slot preparation
- Cleaning fret slots
- Routing fret slots
- Prepping fret wire
- Gluing frets
- Hammering in frets

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- Pressing in frets
- Fret dressing
- Fret re-dressing
- Addressing loose fret ends
- Leveling frets
- Polishing frets

**Saturday 29th September, from 10am to 1pm:**

**Acoustic Structural Repair and the Vintage Guitar; demo/slide show**

*Identifying repair issues to be performed, while retaining the integrity of the instrument, is the key when deciding your approach in maintaining sound acoustic performance. Too often, unwarranted procedures, that shorten the life of the instrument and kill tone, are performed when other more conservative paths are the better choice. In the class, we will discuss how to identify and separate what are normal structural stresses from abnormal structural issues that will lead to a system failure.*

Topics covered are:

- How does the acoustic guitar work
- Identify excessive load
- Loaded tops and backs
- Evaluating the guitar
- What to look for
- What to look out for
- What is expected to be normal
- Excessive repairs
- Sound structural maintenance
- How repairs can affect the tone
- How repairs affect the vintage value
- What repairs in the past have held up over time
- What are the bottom line topics

**Sunday 30th September, from 10am to 1pm:**

**Humidity and Related Issues; lecture/demonstration/slide show**

Excessive humidity or the lack there of, is the single most important issue that will cause irreversible damage to any acoustic instrument. It is also the single most overlooked topic technicians, makers, and players neglect to monitor to ensure sound acoustic guitar performance. In the class, we will discuss the most common humidity issues related to the guitar.

Topics covered are:

- What are humidity related issues
- What are average humidity ranges
- What is the ideal humidity range for a shop or store
- Using a sling psychrometer
- Psychrometer vs. digital meters
- How to identify humidity issues
- How to separate humidity issues from structural issues
- What humidity issues can be reversed
- How humidity effects tone
- The life of the instrument
- What to be concerned about and
- What is too be expected
- Acoustic guitar cracks
- What are the most common type of cracks and
- How to identify their cause
- How to determine the best repair approach and
- What will yield the best results

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**M° CHARLES FOX**  
**Lutherie Tooling for the Small Shop**

**Friday 28th September, from 2:30pm to 5:30pm:**

Topics covered are:

- Principles of controlled guidance and subtractive forming
- Fixtures as extensions of standard woodworking tools
- How to analyze a task and design tools to optimize the intended results
- Basic materials and components for shop-made tooling
- Designing tools with 3D modeling software
- Efficient methods for constructing and refining shop tools
- Simple lutherie tools for guiding, shaping, sizing and locating.
- Jigs & fixtures for the table saw, drill press, belt and disk sander, shaper and table router.

**Saturday 29th September, from 2:30pm to 5:30pm:**

Topics covered are:

- Creating universal shop tooling
- Vacuum devices for clamping and work holding
- Creating more specific, complex tooling
- A complete tooling system for creating solid body electric guitars
- Making tools for making more tools

**Sunday 30th September, from 2:30pm to 5:30pm:**

Topics covered are:

This afternoon is focused on creating lutherie tools for research, analysis and the voicing of acoustic guitars.

We'll demonstrate an integrated tooling system for analyzing materials, and for measuring and controlling the acoustic behaviors of both guitar plates and complete assemblies.

**Venue:** Masterclass Hall 1 located at CremonaFiere's offices

**Admission**

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***The Masterclass must be paid for and has a limited enrolment number***

Admission to the Masterclass will take place, presenting simultaneously the **Application Form** with the payment for the participation fee by **Friday 14<sup>th</sup> of September 2018**.

Sending the application without the concomitant payment will not be considered valid.

**Participation Fee**

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Price per person: **€. 230.00**=(VAT included)

- The registration fee must be paid in full.
- The registration fee is not refundable in case of withdrawal or missed MasterClass.
- The registration fee includes free pass to Acoustic Guitar Village ticket.
- When reaching the minimum number of participants in the Masterclass, CremonaFiere will refund the amount paid to those who will not be admitted.

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### ***Application Procedure***

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The Application Form must be sent **by the 14<sup>th</sup> of September 2018**. In alternative, it must be sent by:

- fax 00 39 0372 598222
- mail: [giampaolo.pasquali@cremonafiere.it](mailto:giampaolo.pasquali@cremonafiere.it)

**together with a copy of the participation fee payment**, by electronic bank transfer in favour of CremonaFiere spa (description: making guitar masterclass) on the following bank account:

BANCA POPOLARE DI SONDRIO branch of Cremona Via Dante IBAN IT49S0569611400000003630X76 BIC POSOIT22
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### ***Information***

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For any information regarding the contents of the masterclass, please contact:

**Cultural Association "Armadillo Club"**

*Alessio Ambrosi*

Email: [info@armadilloclub.org](mailto:info@armadilloclub.org)

Tel: + 39 (0)187 626993

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# Application Form

Masterclass of lutherie for acoustic guitar  
28<sup>th</sup> - 30<sup>th</sup> September, 2018

Teachers:  
M° Bryan Galloup (US) and M° Charles Fox (US)

*(Fill in Capital Letters)*

The undersigned:

SURNAME: \_\_\_\_\_

FIRST NAME: \_\_\_\_\_

ADDRESS \_\_\_\_\_

POSTAL CODE \_\_\_\_\_ TOWN \_\_\_\_\_

PROVINCE \_\_\_\_\_ Landline/mobile: \_\_\_\_\_

E-MAIL \_\_\_\_\_

Identification number \_\_\_\_\_

(e.g. National Insurance Number, Identifikationsnummer, numéro de sécurité sociale, Número de Identificación Fiscal, etc...)

DATE OF BIRTH \_\_\_\_\_ IN \_\_\_\_\_

Asks for admission to the Guitar Making Masterclass 2018 at CremonaFiere and claims to have read and accepted the Masterclass Rules

Date \_\_\_\_\_ Signature \_\_\_\_\_

## **Privacy**

D.LGS. 196/2003-PROTECTION WITH RESPECT TO THE PROCESSING OF PERSONAL DATA, INFORMATION UNDER ARTICLE 13.

Personal data indicated in this registration form, collected in compliance with legal requirements for organizational purposes, will be treated in full compliance with the provisions of the decree, 196/2003. Any form of distribution of these data to third parties is excluded. Rights in relation to the processing of personal information are those mentioned under article 7 of Legislative Decree 196/2003.

I acknowledge the terms and conditions, and consent the handling of my personal data.

Date \_\_\_\_\_ Signature \_\_\_\_\_

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