



Thursday, 22 October 2020, at 7:30 p.m.

In the Prat de la Riba Hall of the Institute for Catalan Studies (Carme, 47, Barcelona)

Concert organised in collaboration with the IEC, concluding its
2020 "Music in the Cloister" series

MUSIC BY WOMEN COMPOSERS

Selection of classical and contemporary works composed by women

PILAR BAYER, piano

PROGRAMME

18th and 19th centuries

From the Sonata No.7: <i>Adagio non troppo</i> <i>Allegro assai</i>	HÉLÈNE DE MONTGÉROULT (1764-1836)
Lied für Pianoforte No. 3 Polonaise in C major Warum willst du and're fragen? (based on a poem by Friedrich Rückert)	FANNY MENDELSSOHN-HENSEL (1805-1847) CLARA SCHUMANN (1819-1896)
Waltz in E minor	WANDA LANDOWSKA (1879-1959)

20th century

Humoreske (based on a theme by Antonin Dvorak) In a mist (based on a theme by Bix Beiderbecke) Lullaby in rhythm (based on a theme by Benny Goodman) Ida Lupino La flor de la canela Gracias a la vida Dos gardenias	MARY LOU WILLIAMS (1910-1981) CARLA BLEY (1938-) CHABUCA GRANDA (1920-1983) VIOLETA PARRA (1917-1967) ISOLINA CARRILLO (1907-1996)
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21st century

Totes soc jo (based on a poem by Laura Pau) Escenes de Tapís (based on poems by David Jou): <i>Aquells mots de foc i cendra</i> <i>Pensament d'enamorat</i> Malamente	ARIADNA CABIRÓ BERENGUER (1984-) MERCÈ TORRENTS TURMO (1930-2018) ROSALÍA VILA TOBELLA (1993-)
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Nighttime view of the Cloister of the Institute for Catalan Studies. (Photo by Rubén Duro / AE-BKH)



Pilar Bayer Isant (Barcelona, 1946) is currently Professor Emerita of Algebra at the University of Barcelona (UB). She was first introduced to music by her father, violinist and saxophonist Marcel·lí Bayer Gaspà (1898–1977). Throughout her education, she combined her studies of mathematics and music. In 1967, she obtained the title of professor of piano at the Barcelona Municipal Conservatory of Music, and in 1968, she received her undergraduate degree in mathematics from the UB, where she obtained her PhD in 1975, becoming Full Professor of Algebra in 1982. She has served as Professor of Mathematics at the UB, the Autonomous University of Barcelona (UAB) and the University of Cantabria, as well as at universities in Regensburg and Göttingen, Germany. She is a tenured member of the Spanish Royal Academy of Exact, Physical and Natural Sciences, of the Royal Academy of Arts and Sciences of Barcelona, and of the Royal European Academy of Doctors. In addition, she is an Emerita Member of the Institute for Catalan Studies (IEC), in the Section of Sciences and Technology.



PILAR BAYER
(Photo by Marcel·lí Bayer)

As a mathematician, she has devoted her research career to the field of number theory. She has authored numerous scientific publications and several books, on zeta functions, diophantine equations, automorphic forms, elliptic curves, modular curves and Shimura curves. She has delivered over one hundred distinguished lectures at both national and foreign universities and research centres, and she has directed several research projects and supervised fifteen doctoral theses. She has been recognised with the Narcís Monturiol Medal for scientific and technological achievement (1998), the Serra d'Or Research Prize (2013) and the Vives Network Medal (2015), among others.

As a “mathematician who plays the piano”, she has performed on many occasions at different academic music events, as both a soloist and an accompanist. In this concert, she presents a programme featuring a selection of compositions by women composers from the 18th to the 21st centuries, including music by both renowned and lesser-known names, each with her own unique story and perspective, and usually hidden due to historical or social prejudices. The concert serves as another example of how the AE-BKH strives to harness synergies among the arts and sciences, eliminating barriers among disciplines to embrace all fields of human knowledge.



(Composition by Rubén Duro / AE-BKH)

Prof. Bayer returns as a frequent collaborator of the AE-BKH, following the well-attended lecture she delivered on March 4, titled “**The Mathematics of Music**”, as part of our **2020 Women’s Week**. Her lecture explored the main mathematic principles underlying music, including those historically used to explain sound, as well as the role of new technologies in music, such as the digital treatment of musical creation, reproduction and storage. By providing historical examples of advancements made by mathematicians alongside similar advancements by their musical contemporaries, she highlighted how key and interconnected concepts in both fields emerged. Photos of the March 4

event can be viewed at <http://barcelona.acadeuro.org/home/barcelona-in-action-digital-archive/gallery/ae-bkh-womens-week-2020/>

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